

# Simplicity for Science



# About Us

Atom Scientific is a specialised manufacturer of diagnostic reagents with over 50 years in delivering exceptional quality to the life science industry throughout the world

## History

Established in 2009, Atom Scientific is a specialist manufacturer of diagnostic stains and reagents for Life Science Laboratories

As the business has grown it has organically grown its product range to incorporate a comprehensive range of chemicals to suit our customer's needs

Our Primary Aims are to deliver:

- **Quality**
- **Service**
- **Cost Effective Pricing**

## Quality

Our Quality Management Systems are Certificated to **ISO9001:2008**

Our QA/Compliance Team ensure our products are fully auditable from raw material to finished product

Our Life Science Testing Laboratory is operated by experienced Life Scientists, ensuring our products are compliant to the requirements of **ISO15189**, saving our customers time and resources in compliance, whilst ensuring consistent quality

## Facilities

In 2014, the company opened our current single site facility in Manchester, enabling Atom Scientific to significantly increase operational capacity, whilst ensuring compliance to all current and future legislation

We specialise in finished product pack sizes from 10ml/10gm to 25L/25Kg and have manufacturing capacity for batches from 500ml - 5000L

Our facilities can accomodate single bottle requirements up to multiple 1000's to meet any lead time requirement

All chemicals and reagents offered by Atom Scientific are manufactured, packed and distributed on-site

## Contact Us



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[sales@atomscientific.com](mailto:sales@atomscientific.com)



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[www.atomscientific.com](http://www.atomscientific.com)

## Orders

Orders can be placed On-Line, by Email or by Fax



[orders@atomscientific.com](mailto:orders@atomscientific.com)

All orders must include Delivery and Invoice Address and product information as follows:

- Product Code
- Product Name
- Pack Size
- Qty
- Price

All prices on website or in price lists are quoted ex-works on an E,O&E basis

## Technical

Atom provide a Technical Resource on our website, where the following can be downloaded:

- Material Safety Data Sheet (MSDS)
- Certificate of Conformity
- Certificate of Analysis
- Product Protocols

If we hold a Technical email address for you, a full MSDS will be emailed automatically at point of despatch.

If you need technical assistance, please contact:



[technical@atomscientific.com](mailto:technical@atomscientific.com)



**ISO15189** compliant products  
*simply* delivering consistency  
and reliability to **Life Sciences**



**High Quality Chemicals**



**Fit for Purpose Packaging**



**Global Shipping**

Our philosophy is to make science simple, we deliver high quality validated products, in fit for purpose packaging, safely shipped, at competitive prices, where you want them, when you need them



[www.atomscientific.com](http://www.atomscientific.com)

# Product Information

Where applicable the following information is provided for each chemical product

Product Name and Purity/Grade

CAS Number

Einecs Number

UN Number

Flash Point

Acetone 99.5% BP

Cas No: 67-64-1

Einecs: 200-662-2

UN1090

Flash Point: -20°C

Minimum Assay

Minimum Assay: 99.50%

Molecular Formula: C<sub>3</sub>H<sub>6</sub>O

Molecular Weight: 58.08 g/mol

Melting Point: -94°C

Density at 25°C (g/cm<sup>3</sup>): 0.791

Water: <0.3%

Acidity (as Acetic Acid): <0.002%

Refractive Index: 1.359

| Code      | Pack  | Price |
|-----------|-------|-------|
| GPS1003-D | 500ml | £1.55 |
| GPS1003-E | 1L    | £3.15 |
| GPS1003-F | 2.5L  | £6.15 |

CLP Hazardous Pictogram

Product Code (Pack Size Specific)

Price

## CLP Regulations & Pictogram

Atom Scientific supplies all products in accordance with the European Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, more commonly called CLP.



Health Hazard



Serious Health Hazard



Corrosive



Flammable



Oxidising



Hazardous to the Environment



Acute Toxicity

## Specifications

Atom Scientific has carefully sourced a range of high specification chemicals suitable for the majority of applications. The purity of each product is clearly identified, alongside a detailed specification.

|        |                                                                                            |
|--------|--------------------------------------------------------------------------------------------|
| ACS    | A high purity chemical that meets the specifications of the American Chemical Society      |
| BP     | A high purity chemical that meets the specifications of the British Pharmacopoeia Council  |
| FCC    | Products that meet the requirements of the Food Chemical Codex                             |
| FG     | Certified Food Grade Product                                                               |
| USP    | A high purity chemical that meets the specifications of the US Pharmacopoeia Council       |
| Ph Eur | A high purity chemical that meets the specifications of the European Pharmacopoeia Council |

# Product Packaging

## Powders

All powdered chemicals are supplied in robust tamper evident containers.

Pack sizes above 1Kg are supplied with handle for ease of handling.

All products are outer bagged prior to shipment and outer packed in strong fibreboard boxes for safety in transit.



## Liquids



Our standard liquids are supplied in sturdy HDPE Jerrycans with Tamper evident lid and outer packed in sturdy fibreboard boxes, UN Certified where required.

Our acids and extremely flammable solvents are supplied in UN Certified Stand Alone Containers. Products of this nature are outer bagged with absorbent inner material prior to being outer packed in sturdy fibreboard boxes, UN certified where required.

## Glass Winchester

To suit all customer preferences, Atom Scientific also offers our products in a range of wide neck amber glass winchesters with a 45mm neck for ease of decanting products.

Sizes available are 100ml, 250ml, 500ml, 1L and 2.5L.

All winchester bottles are outer bagged and packed in UN Certified Outer Eggshell Fibreboard boxes for safety in transit.



# Chemicals & Reagents

## Acetaldehyde 99%

|                 |                   |        |                    |
|-----------------|-------------------|--------|--------------------|
| Cas No: 75-07-0 | Einecs: 200-836-8 | UN1089 | Flash Point: -27°C |
|-----------------|-------------------|--------|--------------------|



Minimum Assay: >99.0%  
Molecular Formula: CH<sub>3</sub>CHO  
Molecular Weight: 44.06 g/mol  
Boiling Point: 20.8°C  
Melting Point: -128°C  
Density at 25°C (g/cm<sup>3</sup>): 0.780  
Refractive Index: 1.3316



| Code      | Pack  |
|-----------|-------|
| GPS0100-D | 500ml |

## Acetamide 99%

|                 |                   |        |  |
|-----------------|-------------------|--------|--|
| Cas No: 60-35-5 | Einecs: 200-473-5 | UN3077 |  |
|-----------------|-------------------|--------|--|



Minimum Assay: >99.0%  
Molecular Formula: CH<sub>3</sub>CONH<sub>2</sub>  
Molecular Weight: 59.08 g/mol  
Boiling Point: 221°C  
Melting Point: 78-80°C

| Code        | Pack |
|-------------|------|
| GPC00160-X  | 100g |
| GPC00160-2X | 250g |

## Acetic Acid 1.0M (1.0N) Solution

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|



### Contains:

Acetic Acid 99.85%:  
1.0M (1.0N) +/- 1%

| Code     | Pack |
|----------|------|
| VM8005-F | 2.5L |

## Acetic Acid 99.85% ACS,USP,EP,FCC,FG

|                 |                   |        |                   |
|-----------------|-------------------|--------|-------------------|
| Cas No: 64-19-7 | Einecs: 200-580-7 | UN2789 | Flash Point: 40°C |
|-----------------|-------------------|--------|-------------------|



Minimum Assay: >99.85% w/w  
Molecular Formula: CH<sub>3</sub>COOH  
Molecular Weight: 60.05 g/mol  
Boiling Point: 117-118°C  
Melting Point: 16.2°C  
Density at 25°C (g/cm<sup>3</sup>): 1.049  
Non-Volatile Matter: <0.003% w/w  
Permanganate Time: min 2 hours



| Code       | Pack   |
|------------|--------|
| GPC8005-D  | 500ml  |
| GPC8005-E  | 1L     |
| GPC8005-F  | 2.5L   |
| GPC8005-6E | 6 x 1L |

## Acetic Anhydride 98% (GW)

|                  |                   |        |                   |
|------------------|-------------------|--------|-------------------|
| Cas No: 108-24-7 | Einecs: 203-564-8 | UN1715 | Flash Point: 54°C |
|------------------|-------------------|--------|-------------------|



Minimum Assay: >98%  
Molecular Formula: C<sub>4</sub>H<sub>6</sub>O<sub>3</sub>  
Molecular Weight: 102.09 g/mol  
Melting Point: -73.1°C  
Boiling Point: 138-141°C  
Refractive Index: 1.3900  
Residue on Evaporation: <30ppm



| Code      | Pack  |
|-----------|-------|
| GWN2241-B | 100ml |
| GWN2241-D | 500ml |

**ISO15189** compliant products  
*simply* delivering consistency  
and reliability to **Life Sciences**

## Acetone 99.5% BP

|                 |                   |        |                    |
|-----------------|-------------------|--------|--------------------|
| Cas No: 67-64-1 | Einecs: 200-662-2 | UN1090 | Flash Point: -20°C |
|-----------------|-------------------|--------|--------------------|



Minimum Assay: 99.50%  
Molecular Formula: C<sub>3</sub>H<sub>6</sub>O  
Molecular Weight: 58.08 g/mol  
Melting Point: -94°C  
Density at 25°C (g/cm<sup>3</sup>): 0.791  
Water: <0.3%  
Acidity (as Acetic Acid): <0.002%  
Refractive Index: 1.359



| Code      | Pack  |
|-----------|-------|
| GPS1003-D | 500ml |
| GPS1003-E | 1L    |
| GPS1003-F | 2.5L  |

## Acetyl Chloride 98%

|                 |                   |        |                  |
|-----------------|-------------------|--------|------------------|
| Cas No: 75-36-5 | Einecs: 200-865-6 | UN1717 | Flash Point: 5°C |
|-----------------|-------------------|--------|------------------|



Minimum Assay: 99%  
Molecular Formula: CH<sub>3</sub>COCl  
Molecular Weight: 78.50 g/mol  
Boiling Point: 52°C  
Melting Point: -112°C  
Density at 25°C (g/cm<sup>3</sup>): 1.104  
Refractive Index: 1.389



| Code      | Pack  |
|-----------|-------|
| GPS3225-B | 100ml |

## Adenosine-5-triphosphoric Acid Disodium Salt (ATP)

|                    |                   |  |  |
|--------------------|-------------------|--|--|
| Cas No: 34369-07-8 | Einecs: 213-579-1 |  |  |
|--------------------|-------------------|--|--|

Molecular Formula: C<sub>10</sub>H<sub>16</sub>N<sub>5</sub>Na<sub>2</sub>O<sub>13</sub>P<sub>3</sub>  
Molecular Weight: 551.15 g/mol  
Melting Point: 176°C  
Storage Temperature: 2-8°C

| Code         | Pack |
|--------------|------|
| GPC01871-1GM | 1g   |
| GPC01871-T   | 5g   |

## Agar Nutrient

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 9002-18-0 | Einecs: 232-658-1 |  |  |
|-------------------|-------------------|--|--|

**Directions:**  
Suspend 52 g in 1 L of distilled water.  
Bring to the boil to dissolve completely.  
Sterilise by autoclaving at 121°C for 15 minutes. Dry the surface of the gel before inoculation.

| Code     | Pack |
|----------|------|
| CM0007-X | 100g |

## Agar Powder (Bacteriological)

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 9002-18-0 | Einecs: 232-658-1 |  |  |
|-------------------|-------------------|--|--|

Solubility: soluble in boiling water  
Particle Size: min 95% through 80 mesh (177 Microns)  
Gel Strength (1.5%/15h): >900 g/cm<sup>3</sup>  
Congealing Point: 35-41°C  
pH (1.5%): 6.0-8.0  
Loss on Drying: <22.0%  
Ash on DM: <1.5%  
Insoluble Matter: <1.0%  
Acid Insoluble ash on DM: <1.5%  
Starch: not detectable  
Gelatin and other proteins: not detectable  
Water Absorption: min 5 times

| Code       | Pack |
|------------|------|
| GPC5101-X  | 100g |
| GPC5101-2X | 250g |
| GPC5101-5X | 500g |

# Chemicals & Reagents

## DL-Alanine 99% Food Grade

|                  |                   |  |  |
|------------------|-------------------|--|--|
| Cas No: 302-72-7 | Einecs: 206-126-4 |  |  |
|------------------|-------------------|--|--|

FCC Food Grade, Halal, Kosher  
Minimum Assay: >99%  
Molecular Formula: C<sub>3</sub>H<sub>7</sub>NO<sub>2</sub>  
Molecular Weight: 89.09 g/mol  
Melting Point: 292°C  
FDA 21 CFR (172.54)  
FDA 21 CFR (172.504)

| Code      | Pack |
|-----------|------|
| GPC7435-W | 25g  |

## L-Alanine 98.5-101%

|                 |                   |  |  |
|-----------------|-------------------|--|--|
| Cas No: 56-41-7 | Einecs: 200-273-8 |  |  |
|-----------------|-------------------|--|--|

Minimum Assay: 98.5-101%  
Molecular Formula: C<sub>3</sub>H<sub>7</sub>NO<sub>2</sub>  
Molecular Weight: 89.09 g/mol  
Melting Point: 295°C  
pH: 5.6-6.7

| Code        | Pack |
|-------------|------|
| GPC9955-1GM | 1g   |

## Alizarin Red Sodium Salt C.I.58005

|                  |                   |  |  |
|------------------|-------------------|--|--|
| Cas No: 130-22-3 | Einecs: 204-981-8 |  |  |
|------------------|-------------------|--|--|

Molecular Formula: C<sub>14</sub>H<sub>7</sub>O<sub>5</sub>Na  
Molecular Weight: 342.26 g/mol  
Loss on drying at 110°C: <6%  
Solubility: Soluble in water at 0.1% - Clear Yellow Solution

| Code      | Pack |
|-----------|------|
| RRBD125-T | 5g   |

Visual Transition Interval:  
from pH 3.5 (yellow) to pH 6.5 (pink)  
from pH 9.4 (orange) to pH 12.0 (violet)

## Aluminium Ammonium Sulphate Dodecahydrate 99%

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7784-26-1 | Einecs: 232-055-3 |  |  |
|-------------------|-------------------|--|--|



Minimum Assay: >99%  
Molecular Formula: AlH<sub>4</sub>(SO<sub>4</sub>)<sub>2</sub>·12H<sub>2</sub>O  
Molecular Weight: 453.32 g/mol  
Melting Point: 93.5°C  
Solubility in water (% weight): 14% in water

| Code       | Pack |
|------------|------|
| GPC8010-5X | 500g |

## Aluminium Chloride Anhydrous 99%

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7446-70-0 | Einecs: 231-208-1 | UN1726 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: >99%  
Molecular Formula: AlCl<sub>3</sub>  
Molecular Weight: 133.44 g/mol  
Melting point: 190°C  
Iron (Fe): <11ppm  
Insoluble Matter: <118ppm

| Code       | Pack |
|------------|------|
| GPC9294-X  | 100g |
| GPC9294-5X | 500g |

## Aluminium Chloride Hexahydrate 99.9% ACS,Ph Eur,BP,USP

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7784-13-6 | Einecs: 231-208-1 |  |  |
|-------------------|-------------------|--|--|



Minimum Assay: 95.0 – 102.0%  
Chemical Formula: AlCl<sub>3</sub>·6H<sub>2</sub>O  
Molecular Weight: 241.43 g/mol  
Melting point: 100°C

| Code       | Pack |
|------------|------|
| GPC9295-X  | 100g |
| GPC9295-2X | 250g |

## Aluminium Hydroxide 99.2%

|                    |                   |  |  |
|--------------------|-------------------|--|--|
| Cas No: 21645-51-2 | Einecs: 244-492-7 |  |  |
|--------------------|-------------------|--|--|



Minimum Assay: <99.2%  
Molecular Formula: Al(OH)<sub>3</sub>  
Molecular Weight: 78.0 g/mol  
Melting Point: 300°C  
pH: 8-10%  
Iron: <0.035%  
Silicone: <0.05%

| Code       | Pack |
|------------|------|
| GPC8118-5X | 500g |

## Aluminium Metal Powder (fine)

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7429-90-5 | Einecs: 231-072-3 | UN1309 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: >90%  
Molecular Formula: Al  
Molecular Weight: 26.98 g/mol  
Melting Point: 660.37°C  
Boiling Point: 2460°C  
Density at 25°C (g/cm<sup>3</sup>): 2.7

| Code       | Pack |
|------------|------|
| GPC5489-2X | 250g |
| GPC5489-5X | 500g |

## Aluminium Nitrate Nonahydrate 98%

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7784-27-2 | Einecs: 236-751-8 | UN1438 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: >98%  
Molecular Formula: Al(NO<sub>3</sub>)<sub>3</sub>·9H<sub>2</sub>O  
Molecular Weight: 375.13 g/mol  
Melting Point: 73.5°C



| Code       | Pack |
|------------|------|
| GPC2033-2X | 250g |

## Aluminium Oxide 99% Calcined

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 1344-28-1 | Einecs: 215-691-6 |  |  |
|-------------------|-------------------|--|--|

Minimum Assay: >99%  
Molecular Formula: Al<sub>2</sub>O<sub>3</sub>  
Molecular Weight: 101.94 g/mol  
Melting Point 2040°C  
Particle size: 100-325 mesh  
Loss on Ignition: <0.35%

| Code       | Pack |
|------------|------|
| GPC3634-5X | 500g |

## Aluminium Potassium Sulphate 99.5% ACS

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7784-24-9 | Einecs: 233-141-3 |  |  |
|-------------------|-------------------|--|--|

Minimum Assay: >99.5%  
Molecular Formula: KAl(SO<sub>4</sub>)<sub>2</sub>·12H<sub>2</sub>O  
Molecular Weight: 474.38 g/mol  
Melting Point: 92°C  
Density at 25°C (g/cm<sup>3</sup>): 1.757  
Water: <4.5%

| Code       | Pack |
|------------|------|
| GPC8011-5X | 500g |
| GPC8011-Y  | 1kg  |

## Aluminium Sheets 100 x 50 x 0.5mm

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7429-90-5 | Einecs: 231-072-3 |  |  |
|-------------------|-------------------|--|--|



Aluminium Foil Soft Temper  
(Alloy 1070)  
Molecular Formula: Al  
Molecular Weight: 26.98 g/mol  
Melting Point: 660.37°C  
Dimensions: 100m x 50mm x 0.5mm

| Code      | Pack      |
|-----------|-----------|
| ALUFL5-10 | 10 sheets |

**ISO15189** compliant products  
*simply* delivering consistency  
and reliability to **Life Sciences**

# Chemicals & Reagents

## Aluminium Sulphate 17% (Iron Free)

|                    |                   |        |  |
|--------------------|-------------------|--------|--|
| Cas No: 10043-01-3 | Einecs: 233-135-0 | UN3260 |  |
|--------------------|-------------------|--------|--|



Minimum Assay: <15-20%  
Molecular Formula:  $Al_2(SO_4)_3$   
Molecular Weight: 342.15 g/mol  
Melting point: 770°C  
Density at 25°C (g/cm<sup>3</sup>): 2.71

| Code       | Pack |
|------------|------|
| GPC8114-2X | 250g |
| GPC8114-5X | 500g |

## 3-Aminophthaloylhydrazine 97% (Luminol)

|                  |                   |  |  |
|------------------|-------------------|--|--|
| Cas No: 521-31-3 | Einecs: 208-309-4 |  |  |
|------------------|-------------------|--|--|

Minimum Assay: 97%  
Molecular Formula:  $C_8H_7N_3O_2$   
Molecular Weight: 177.16 g/mol  
Melting Point: >300°C

| Code        | Pack |
|-------------|------|
| GPC5187-1GM | 1g   |
| GPC5187-T   | 5g   |

## Ammonia Solution 33-34% SG0.88

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 1336-21-6 | Einecs: 215-647-6 | UN2672 |  |
|-------------------|-------------------|--------|--|



Minimum Assay (As NH<sub>3</sub>): 33.0-34.0%  
Molecular Formula: NH<sub>3</sub>OH  
Molecular Weight: 35.05 g/mol  
Density at 15°C (g/cm<sup>3</sup>): <0.890  
Residue on Evaporation (w/w): <25ppm

| Code      | Pack |
|-----------|------|
| GPC9001-E | 1L   |
| GPC9001-F | 2.5L |

## Ammonium Acetate 97%

|                  |                   |  |                    |
|------------------|-------------------|--|--------------------|
| Cas No: 631-61-8 | Einecs: 211-162-9 |  | Flash Point: 136°C |
|------------------|-------------------|--|--------------------|

Minimum Assay: >97%  
Molecular Formula:  $C_2H_7NO_2$   
Molecular Weight: 77.08 g/mol  
Melting Point: 112°C  
Chloride (Cl): <0.005%  
Sulphate (SO<sub>4</sub>): <0.01%  
Iron (Fe): <0.001%  
Lead (Pb): <0.001%

| Code       | Pack |
|------------|------|
| GPC7105-5X | 500g |

## Ammonium Bromide 99.5%

|                    |                   |  |  |
|--------------------|-------------------|--|--|
| Cas No: 12124-97-9 | Einecs: 235-183-8 |  |  |
|--------------------|-------------------|--|--|



Minimum Assay: >99.5%  
Molecular Formula: NH<sub>4</sub>Br  
Molecular Weight: 97.97 g/mol  
Melting Point: 452°C  
Density at 25°C (g/cm<sup>3</sup>): 2.43

| Code       | Pack |
|------------|------|
| GPC9430-2X | 250g |

## Ammonium Carbonate 30%+ ACS

|                  |                   |  |  |
|------------------|-------------------|--|--|
| Cas No: 506-87-6 | Einecs: 208-058-0 |  |  |
|------------------|-------------------|--|--|



Molecular Formula:  $(NH_4)_2CO_3$   
Molecular Weight: 96.09 g/mol  
Ammonia (NH<sub>3</sub>): <31.49%  
Chloride (Cl): <0.0005%  
Sulphate (SO<sub>4</sub>): <0.001%  
Phosphate (PO<sub>4</sub>): <0.001%  
Iron (Fe): <0.00011%  
Residue on Ignition (as SO<sub>4</sub>): <0.055%  
Heavy metals (as Pb): <0.0001%

| Code       | Pack |
|------------|------|
| GPC3636-5X | 500g |

## Ammonium Chloride 99.5%

|                    |                   |  |  |
|--------------------|-------------------|--|--|
| Cas No: 12125-02-9 | Einecs: 235-186-4 |  |  |
|--------------------|-------------------|--|--|

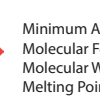


Minimum Assay: >99.5%  
Molecular Formula: NH<sub>4</sub>Cl  
Molecular Weight: 53.49 g/mol  
Melting Point: 340°C  
Density at 25°C (g/cm<sup>3</sup>): 1.53  
pH (5% soln 25°C): 4.5 - 5.5

| Code       | Pack |
|------------|------|
| GPC7106-5X | 500g |
| GPC7106-Y  | 1kg  |
| GPC7106-3Y | 3kg  |

## Ammonium Dichromate 99.5% ACS

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7789-09-5 | Einecs: 232-143-1 | UN1439 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: >99.5%  
Molecular Formula:  $(NH_4)_2Cr_2O_7$   
Molecular Weight: 252.08 g/mol  
Melting Point: 170°C

| Code       | Pack |
|------------|------|
| GPC8056-2X | 250g |

## Ammonium Iron (II) Sulphate Hexahydrate 99.9%

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7783-85-9 | Einecs: 233-151-8 |  |  |
|-------------------|-------------------|--|--|



Minimum Assay (Oxidimetric): 99.9-100.23%  
Molecular Formula:  $(NH_4)_2Fe(SO_4)_6 \cdot 6H_2O$   
Molecular Weight: 392.13 g/mol  
Melting Point: 100-110°C  
Chloride (Cl): <0.001  
Iron (Fe): <0.01

| Code       | Pack |
|------------|------|
| GPC7770-2X | 250g |
| GPC7770-5X | 500g |

## Ammonium Iron (III) Citrate 18%

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 1185-57-5 | Einecs: 214-686-6 |  |  |
|-------------------|-------------------|--|--|

Minimum Assay (Fe): >18%  
Molecular Formula:  $C_6H_5O_7 \cdot xFe^{3+} \cdot yNH_3$   
Colour: Brown  
pH: 6.0-8.0  
Chloride (Cl): <0.053%  
Sulphate (SO<sub>4</sub>): <1.5

| Code      | Pack |
|-----------|------|
| GPC9399-X | 100g |

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# Chemicals & Reagents

## Ammonium Iron (III) Sulphate Dodecahydrate 99%

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7783-83-7 | Einecs: 233-382-4 |  |  |
|-------------------|-------------------|--|--|



Minimum Assay: >99.00%  
Molecular Formula:  $NH_4Fe(SO_4)_2 \cdot 12H_2O$   
Molecular Weight: 482.19 g/mol  
Melting Point: 39-41°C  
Storage Temp: 2-8°C

| Code       | Pack |
|------------|------|
| GPC8012-5X | 500g |

## Ammonium Molybdate Tetrahydrate 99% ACS

|                    |                   |  |  |
|--------------------|-------------------|--|--|
| Cas No: 12054-85-2 | Einecs: 234-722-4 |  |  |
|--------------------|-------------------|--|--|



Minimum Assay: >99.3%  
Molecular Formula:  $(NH_4)_6Mo_7O_{24} \cdot 4H_2O$   
Molecular Weight: 1235.86 g/mol  
Melting Point: 190°C  
Density at 25°C (g/cm<sup>3</sup>): 2.498  
Solubility in water (% weight): 43% cold water

| Code       | Pack |
|------------|------|
| GPC9308-X  | 100g |
| GPC9308-5X | 500g |

## Ammonium Nickel Sulphate Hexahydrate 98.5%

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7785-20-8 | Einecs: 239-793-5 | UN3077 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: >98.5%  
Molecular Formula:  $(NH_4)_2SO_4 \cdot NiSO_4 \cdot 6H_2O$   
Molecular Weight: 394.99 g/mol  
Melting Point: 85-89°C

| Code       | Pack |
|------------|------|
| GPC1280-X  | 100g |
| GPC1280-2X | 250g |

## Ammonium Nitrate 98%

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 6484-52-2 | Einecs: 229-347-8 | UN1942 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: 98.0%  
Molecular Formula:  $NH_4NO_3$   
Molecular Weight: 80.04 g/mol  
Boiling Point: 210°C  
Melting Point: 169°C  
Chloride (Cl): <0.002%  
Iron (Fe): <0.001%  
Heavy Metals (Pb): 0.001%  
Sulphate (SO<sub>4</sub>): 0.001%

| Code       | Pack |
|------------|------|
| GPC8013-5X | 500g |

## Ammonium Oxalate Monohydrate 99% ACS

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 6009-70-7 | Einecs: 238-135-4 |  |  |
|-------------------|-------------------|--|--|



Minimum Assay: <99%  
Molecular Formula:  $(COONH_4)_2 \cdot H_2O$   
Molecular Weight: 142.11 g/mol  
Melting Point: 133°C  
Solubility in Water (% weight): 11.8% water at 500°C

| Code      | Pack |
|-----------|------|
| GPC8014-X | 100g |

## Ammonium Persulphate 98%

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7727-54-0 | Einecs: 231-786-5 | UN1444 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: >98%  
Molecular Formula:  $H_2N_2O_8S_2$   
Molecular Weight: 228.19 g/mol  
Melting Point: 120°C  
Refractive Index: 1.50

| Code       | Pack |
|------------|------|
| GPC9298-5X | 500g |

## Ammonium Sulphate 99.5% ACS

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7783-20-2 | Einecs: 231-984-1 |  |  |
|-------------------|-------------------|--|--|

Minimum Assay: >99%  
Molecular Formula:  $H_2N_2O_8S$   
Molecular Weight: 132.14 g/mol  
Melting Point: 280°C  
Density at 25°C (g/cm<sup>3</sup>): 1.77  
pH (5% soln 20°C): 5.0 - 6.0

| Code       | Pack |
|------------|------|
| GPC7457-5X | 500g |
| GPC7457-Y  | 1kg  |

## Ammonium Thiocyanate 98%

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 1762-95-4 | Einecs: 217-175-6 |  |  |
|-------------------|-------------------|--|--|



Minimum Assay: >98%  
Molecular Formula:  $NH_4SCN$   
Molecular Weight: 76.12 g/mol  
Melting Point: 152-154°C  
pH (5% soln 25°C): 4.5-6.0

| Code      | Pack |
|-----------|------|
| GPC1366-X | 100g |

## Amylase AD11MDP 30000 BC Kosher Parev

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 9001-19-8 | Einecs: 232-588-1 |  |  |
|-------------------|-------------------|--|--|



Activity: 30,000 amylase u/g  
Biological Source: *Aspergillus oryzae*  
Form: Off-white powder  
Optimum pH Range: 4.5-6.0  
Optimum Temperature Range: 50-55°C

| Code      | Pack |
|-----------|------|
| AD11MDP-W | 25g  |
| AD11MDP-X | 100g |

## Aniline 99%

|                 |                   |        |                   |
|-----------------|-------------------|--------|-------------------|
| Cas No: 62-53-3 | Einecs: 200-539-3 | UN1547 | Flash Point: 70°C |
|-----------------|-------------------|--------|-------------------|



Minimum Assay: >99%  
Molecular Formula:  $C_6H_5NH_2$   
Molecular Weight: 93.13 g/mol  
Boiling Point: 184°C  
Melting Point: -6°C  
Density at 25°C (g/cm<sup>3</sup>): 1.022  
Refractive Index: 1.586

| Code      | Pack  |
|-----------|-------|
| GPC8617-C | 250ml |
| GPC8617-D | 500ml |

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# Chemicals & Reagents

## Aniline Blue C.I. 42755

Cas No: 28631-66-5    EINECS: 249-113-9



C.I. 42755  
Minimum Assay: >95%  
Molecular Formula:  $C_{12}H_8N_2O_3$   
Molecular Weight: 232.21 g/mol

| Code     | Pack |
|----------|------|
| RRBD89-W | 25g  |

## Aniline Hydrochloride 99%

Cas No: 142-04-1    EINECS: 205-519-8    UN1548    Flash Point: 194°C



Minimum Assay: >99%  
Molecular Formula:  $C_6H_7N \cdot HCl$   
Molecular Weight: 129.59 g/mol  
Melting Point: 196-200°C  
Boiling Point: 245°C

| Code       | Pack |
|------------|------|
| GPC4613-2W | 50g  |
| GPC4613-X  | 100g |

## Anti Bumping Granules

Cas No: 1344-28-1    EINECS: 215-691-6

Minimum Assay (Al<sub>2</sub>O<sub>3</sub>): >99.78 %  
Molecular Formula: Al<sub>2</sub>O<sub>3</sub>  
Molecular Weight: 101.96 g/mol  
Melting Point: 2040°C  
Silicon Dioxide (SiO<sub>2</sub>): <0.017%  
Iron Oxide (Fe<sub>2</sub>O<sub>3</sub>): <0.019%  
Sodium Oxide (Na<sub>2</sub>O): <0.150%

| Code       | Pack |
|------------|------|
| GPC4567-2X | 250g |

## Aquadag 18%

### Contains:



Ammonia 25%  
Zinc Oxide  
  
Solids content (%w/w): 22-24%  
Boiling Point: approx 100°C  
Relative Density at 20°C: 1.1

| Code      | Pack |
|-----------|------|
| GPC3210-X | 100g |

## Artificial Crude Oil

UN3082



### Contains:

Paraffin Liquid: 55%  
Paraffin Oil: 20%  
White Spirit: 11%  
Petroleum Ether: 14%  
Bitumen Paint: 5%

| Code      | Pack  |
|-----------|-------|
| GPS2564-D | 500ml |

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## L(+) Ascorbic Acid 99-100.5% BP,USP,FCC8

Cas No: 50-81-7    EINECS: 200-066-2

Minimum Assay: >99-100.5%  
Molecular Formula:  $C_6H_8O_6$   
Molecular Weight: 176.12 g/mol  
Melting Point: 190-194°C  
pH (17% soln 25°C): 1.0-2.5  
Colour: White to light yellow  
Form: Crystalline powder

| Code       | Pack |
|------------|------|
| GPC9035-2W | 50g  |
| GPC9035-X  | 100g |
| GPC9035-2X | 250g |

## DL-Aspartic Acid 99%

Cas No: 617-45-8    EINECS: 210-513-3

Minimum Assay: >99%  
Molecular Formula:  $C_4H_7NO_4$   
Molecular Weight: 133.10 g/mol  
Melting Point: >300°C

| Code      | Pack |
|-----------|------|
| GPC4120-W | 25g  |

## L-Aspartic Acid 98.5-101.5% USP, FCC

Cas No: 56-84-8    EINECS: 200-291-6

Minimum Assay: 98.5-101.5%  
Molecular Formula:  $C_4H_7NO_4$   
Molecular Weight: 133.11 g/mol  
Melting Point: >300°C  
Chloride (Cl): <0.02%  
Ammonium (NH<sub>4</sub>) (salt): <0.02%  
Heavy Metals (as Pb): <10ppm  
Arsenic (As): <1ppm  
Lead (Pb): <5ppm

| Code      | Pack |
|-----------|------|
| GPC4182-W | 25g  |

## Barfoeds Reagent

UN1759



### Contains:

Copper Acetate: <10%  
Acetic Acid: <1%



| Code       | Pack  |
|------------|-------|
| RRSP6363-D | 500ml |

## Barium Carbonate 99%

Cas No: 513-77-9    EINECS: 208-167-3



Minimum Assay: 99%  
Molecular Formula: BaCO<sub>3</sub>  
Molecular Weight: 197.34 g/mol

| Code       | Pack |
|------------|------|
| GPC9632-5X | 500g |

## Barium Chloride Dihydrate 99.3%

Cas No: 10326-27-9    EINECS: 233-788-1    UN1564



Minimum Assay: 99.3%  
Molecular Formula: BaCl<sub>2</sub>·2H<sub>2</sub>O  
Molecular Weight: 244.28 g/mol  
Form: Crystalline  
Melting Point: 113°C  
Density (g/cm<sup>3</sup>): 3.087

| Code       | Pack |
|------------|------|
| GPC9299-2X | 250g |
| GPC9299-5X | 500g |

# Chemicals & Reagents

## Barium Diphenylamine-4-sulfonate 98-102%

Cas No: 6211-24-1    EINECS: 228-278-0



Minimum Assay: 98-102%  
Molecular Formula: C<sub>24</sub>H<sub>20</sub>BA<sub>2</sub>O<sub>5</sub>S<sub>2</sub>  
Molecular Weight: 633.90 g/mol  
Melting Point: >300°C  
Loss on drying: <0.2%  
Sulphates (SO<sub>4</sub>): <0.2%  
Chlorides (Cl): <0.5%

| Code      | Pack |
|-----------|------|
| GPC7746-T | 5g   |

## Barium Hydroxide Octahydrate GRG

Cas No: 12230-71-6    EINECS: 241-234-5    UN2923



Molecular Formula: BaH<sub>2</sub>O<sub>8</sub>  
Molecular Weight: 315.48 g/mol  
Melting Point: 78°C  
Density at 20°C (g/cm<sup>3</sup>): 2.18  
pH (saturated soln 20°C): 14

| Code       | Pack |
|------------|------|
| GPC1438-5X | 500g |



## Barium Nitrate 99%

Cas No: 10022-31-8    EINECS: 233-020-5    UN1446



Minimum Assay: >99.0 %  
Molecular Formula: Ba(NO<sub>3</sub>)<sub>2</sub>  
Molecular Weight: 261.34 g/mol  
Melting Point: 592°C  
Solubility in water (% weight):  
8.7% water at 200°C  
pH (5% soln 20°C): 5.0 to 8.0

| Code       | Pack |
|------------|------|
| GPC1012-2X | 250g |



## Barium Peroxide 90% Anhydrous

Cas No: 1304-29-6    EINECS: 215-128-4    UN1449



Minimum Assay: 84-90%  
Molecular Formula: BaO<sub>2</sub>  
Molecular Weight: 169.34 g/mol  
Melting Point: 450°C  
Density at 20°C (g/cm<sup>3</sup>): 4.96

| Code       | Pack |
|------------|------|
| GPC6946-X  | 100g |
| GPC6946-2X | 250g |



## Barium Sulphate 97%

Cas No: 7727-43-7    EINECS: 231-784-4

Minimum Assay: 98.6-100.0%  
Molecular Formula: BaSO<sub>4</sub>  
Molecular Weight: 233.4 g/mol  
Melting Point: 1580°C  
Density at 20°C (g/cm<sup>3</sup>): 4.5

| Code       | Pack |
|------------|------|
| GPC9300-5X | 500g |

## Basic Fuchsin C.I. 42510

Cas No: 632-99-5    EINECS: 211-189-6



Minimum Assay: >91%  
Molecular Formula: C<sub>20</sub>H<sub>12</sub>ClN<sub>3</sub>  
Molecular Weight: 337.86 g/mol  
Melting Point: 268-270°C  
Wavelength Absorption Max (Ethanol): 552 nm  
Absorption Ratio (λ<sub>max</sub> 15 nm): 1.14  
Specific Absorption (E1% in 100 mm cell): 2445  
Moisture Content: <8.26%  
Storage Temperature: 20-24°C

| Code     | Pack |
|----------|------|
| RRBD91-W | 25g  |

## Beeswax MP 58-65°C

Cas No: 8012-89-3    EINECS: 232-383-7

Congealing Point (ASTM D 938): 58-65°C  
Typical Congealing Point: 62°C  
Colour: White - Pale Yellow Pellets

| Code     | Pack |
|----------|------|
| BWW58-5X | 500g |
| BWW58-Y  | 1kg  |

## Benedicts Solution Qualitative

Cas No: 63126-89-6    UN3082



### Contains:

Copper Sulphate: <2%  
Sodium Citrate: <2%  
Sodium Carbonate: <10%



| Code      | Pack  |
|-----------|-------|
| RRSP300-D | 500ml |
| RRSP300-E | 1L    |
| RRSP300-F | 2.5L  |

## Benedicts Solution Quantitative

UN3082



### Contains:

Copper Sulphate: <1%  
Sodium Citrate: <1%  
Sodium Carbonate: <1%  
Potassium Thiocyanate: <1%  
Potassium Ferrocyanide: <1%



| Code      | Pack  |
|-----------|-------|
| RRSP900-D | 500ml |
| RRSP900-E | 1L    |
| RRSP900-F | 2.5L  |

## Bentonite

Cas No: 1302-78-9    EINECS: 215-108-5

Appearance: Light grey/greenish solid material  
of varying sizes  
Odour: Odourless  
Melting Point: >450°C  
Density at 20°C (g/cm<sup>3</sup>): 2.6

| Code       | Pack |
|------------|------|
| GPC4802-5X | 500g |
| GPC4802-Y  | 1kg  |

## Benzaldehyde 99.5% ACS

Cas No: 100-52-7    EINECS: 202-860-4    UN1990    Flash Point: 54°C



Minimum Assay: 99.50%  
Molecular Formula: C<sub>7</sub>H<sub>6</sub>O  
Molecular Weight: 106.12 g/mol  
Boiling Point: 178-179°C  
Melting Point: -26°C  
Density at 20°C (g/cm<sup>3</sup>): 1.044  
Odour: Bitter Almonds  
Acidity (Benzoic Acid): <0.5%  
Refractive Index: 1.5430-1.5460

| Code      | Pack  |
|-----------|-------|
| GPS9011-B | 100ml |
| GPS9011-D | 500ml |

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# Chemicals & Reagents

## Benzoic Acid 99.5% Ph Eur / ACS

|                 |                   |  |                    |
|-----------------|-------------------|--|--------------------|
| Cas No: 65-85-0 | Einecs: 200-618-2 |  | Flash Point: 121°C |
|-----------------|-------------------|--|--------------------|



Minimum Assay: 99.5-100.5%  
Molecular Formula:  $C_7H_6O_2$   
Molecular Weight: 122.12 g/mol  
Boiling Point: 249°C  
Melting Point: 122.5°C  
Density at 20°C (g/cm<sup>3</sup>): 1.32  
Solubility in water (% weight): 2.9 g/L at 25°C

| Code       | Pack |
|------------|------|
| GPC9927-X  | 100g |
| GPC9927-2X | 250g |
| GPC9927-5X | 500g |

## Benzoyl Chloride 99%

|                 |                   |        |                   |
|-----------------|-------------------|--------|-------------------|
| Cas No: 98-88-4 | Einecs: 202-710-8 | UN1736 | Flash Point: 72°C |
|-----------------|-------------------|--------|-------------------|



Minimum Assay: 99%  
Molecular Formula:  $C_7H_5ClO$   
Molecular Weight: 140.57 g/mol  
Boiling Point: 198°C  
Melting Point: -1°C  
Density at 25°C (g/cm<sup>3</sup>): 1.210  
Refractive Index: 1.553

| Code      | Pack  |
|-----------|-------|
| GPC3522-B | 100ml |

## Benzyl Alcohol 99.9% USP, Ph

|                  |                   |  |                    |
|------------------|-------------------|--|--------------------|
| Cas No: 100-51-6 | Einecs: 202-859-9 |  | Flash Point: 100°C |
|------------------|-------------------|--|--------------------|



Minimum Assay: 99.9%  
Molecular Formula:  $C_7H_8O$   
Molecular Weight: 108.14 g/mol  
Boiling Point: 203-205°C  
Melting Point: -15°C  
Density at 25°C (g/cm<sup>3</sup>): 1.045  
Refractive Index: 1.539

| Code      | Pack  |
|-----------|-------|
| GPS8116-C | 250ml |
| GPS8116-D | 500ml |

## Biuret Solution

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|



### Contains:

Copper Sulphate: <1%  
Sodium Hydroxide: <1%  
Potassium Iodide: <1%  
Potassium Sodium Tartrate Tetrahydrate: <1%

| Code       | Pack  |
|------------|-------|
| RRSP4456-D | 500ml |
| RRSP4456-E | 1L    |
| RRSP4456-F | 2.5L  |

## Borax Decahydrate 99.5-105% ACS

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 1303-96-4 | Einecs: 215-540-4 |  |  |
|-------------------|-------------------|--|--|



Minimum Assay: 99.9-100.9%  
Molecular Formula:  $Na_2B_4O_7 \cdot 10H_2O$   
Molecular Weight: 381.37 g/mol  
Melting Point: 169°C  
Density at 25°C (g/cm<sup>3</sup>): 1.73  
pH (0.01M soln 25°C): 9.15-9.20  
Sodium Oxide (Na<sub>2</sub>O): 16.4-17.0%  
Mesh Size: 2.36mm

| Code       | Pack |
|------------|------|
| GPC8102-5X | 500g |
| GPC8102-Y  | 1kg  |

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## Boric Acid 99.9-100.9%

|                    |                   |  |  |
|--------------------|-------------------|--|--|
| Cas No: 10043-35-3 | Einecs: 233-139-2 |  |  |
|--------------------|-------------------|--|--|



Minimum Assay: (H<sub>3</sub>BO<sub>3</sub>):  
99.9-100.9%  
Molecular Formula: H<sub>3</sub>BO<sub>3</sub>  
Molecular Weight: 61.83 g/mol  
Melting Point: 160°C  
Boric Oxide (B<sub>2</sub>O<sub>3</sub>): 56.25-56.8%  
Mesh Size (20/0.850mm): <2%  
Retained

| Code       | Pack |
|------------|------|
| GPC8041-5X | 500g |
| GPC8041-Y  | 1kg  |

## Bromobenzene 99%

|                  |                   |        |                   |
|------------------|-------------------|--------|-------------------|
| Cas No: 108-86-1 | Einecs: 203-623-8 | UN2514 | Flash Point: 51°C |
|------------------|-------------------|--------|-------------------|



Minimum Assay: >99%  
Molecular Formula: C<sub>6</sub>H<sub>5</sub>Br  
Molecular Weight: 157.01 g/mol  
Boiling Point: 156°C  
Melting Point: -31°C  
Density at 25°C (g/cm<sup>3</sup>): 1.491  
Refractive Index: 1.559

| Code      | Pack  |
|-----------|-------|
| GPC7614-B | 100ml |

## 1-Bromobutane 99%

|                  |                   |        |                   |
|------------------|-------------------|--------|-------------------|
| Cas No: 109-65-9 | Einecs: 203-691-9 | UN1126 | Flash Point: 10°C |
|------------------|-------------------|--------|-------------------|



Minimum Assay: >98%  
Molecular Formula: C<sub>4</sub>H<sub>9</sub>Br  
Molecular Weight: 137.03 g/mol  
Boiling Point: 101-102°C  
Melting Point: -112°C  
Density at 25°C (g/cm<sup>3</sup>): 1.275  
Refractive Index: 1.440

| Code       | Pack  |
|------------|-------|
| GPS59497-B | 100ml |
| GPS59497-C | 250ml |
| GPS59497-D | 500ml |

## 2-Bromobutane 98%

|                 |                   |        |                   |
|-----------------|-------------------|--------|-------------------|
| Cas No: 78-76-2 | Einecs: 201-140-7 | UN2339 | Flash Point: 21°C |
|-----------------|-------------------|--------|-------------------|



Minimum Assay: >97%  
Molecular Formula: C<sub>4</sub>H<sub>9</sub>Br  
Molecular Weight: 137.03 g/mol  
Melting Point: -112°C  
Boiling Point: 91-92°C  
Density at 25°C (g/cm<sup>3</sup>): 1.255  
Refractive Index: 1.4369

| Code       | Pack  |
|------------|-------|
| GPS0786-AA | 25ml  |
| GPS0786-B  | 100ml |
| GPS0786-C  | 250ml |

## Bromocresol Green 0.04% Alcoholic Indicator

|  |  |        |                   |
|--|--|--------|-------------------|
|  |  | UN1170 | Flash Point: 13°C |
|--|--|--------|-------------------|



### Contains:

Bromocresol Green: 0.04%  
Denatured Ethanol: >99%

| Code       | Pack  |
|------------|-------|
| RRSP6601-B | 100ml |
| RRSP6601-D | 500ml |

# Chemicals & Reagents

## Bromocresol Green Sodium Salt

|                    |                   |  |  |
|--------------------|-------------------|--|--|
| Cas No: 62625-32-5 | Einecs: 263-657-4 |  |  |
|--------------------|-------------------|--|--|

Minimum Assay: 95%  
Molecular Formula: C<sub>21</sub>H<sub>13</sub>Br<sub>4</sub>NaO<sub>5</sub>S  
Molecular Weight: 720.00 g/mol  
Melting Point: 230°C  
Visual Transition Interval: From pH 3.8 (Greenish yellow) - 5.2 (Blue)  
Solubility 0.1% (Ag): Clear Solution

| Code        | Pack |
|-------------|------|
| RRBD117-1GM | 1g   |
| RRBD117-T   | 5g   |

## Bromocresol Purple 0.04% Alcoholic Indicator

|  |  |        |                   |
|--|--|--------|-------------------|
|  |  | UN1170 | Flash Point: 13°C |
|--|--|--------|-------------------|



### Contains:

Bromocresol Purple Sodium Salt: 0.04%  
Denatured Ethanol: >99%

| Code       | Pack  |
|------------|-------|
| RRSP7705-B | 100ml |
| RRSP7705-D | 500ml |

## Bromocresol Purple Free Acid

|                  |                   |  |  |
|------------------|-------------------|--|--|
| Cas No: 115-40-2 | Einecs: 204-087-8 |  |  |
|------------------|-------------------|--|--|

Minimum Assay: 90%  
Molecular Formula: C<sub>21</sub>H<sub>16</sub>Br<sub>2</sub>O<sub>5</sub>S  
Molecular Weight: 540.22 g/mol  
Melting Point: 240°C  
Visual Transition Interval: From pH 5.2 (Yellow) - pH 6.8 (Purple)

| Code        | Pack |
|-------------|------|
| RRBD25693-T | 5g   |

## 2-Bromo-2-methylpropane 98%

|                  |                   |        |                   |
|------------------|-------------------|--------|-------------------|
| Cas No: 507-19-7 | Einecs: 208-065-9 | UN2342 | Flash Point: 16°C |
|------------------|-------------------|--------|-------------------|



Minimum Assay: >98%  
Molecular Formula: C<sub>4</sub>H<sub>9</sub>Br  
Molecular Weight: 137.02 g/mol  
Melting Point: -20°C  
Boiling Point: 74-76°C  
Refractive Index: 1.4280  
Density at 20°C (g/cm<sup>3</sup>): 1.22

| Code         | Pack  |
|--------------|-------|
| GPS135615-AA | 25ml  |
| GPS135615-B  | 100ml |

## Bromophenol Blue 0.04% Aqueous pH Indicator

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|



### Contains:

Bromophenol Blue: 0.04%

| Code       | Pack  |
|------------|-------|
| RRSP7568-B | 100ml |
| RRSP7568-D | 500ml |

## Bromophenol Blue 0.04% Solution 20% Alcoholic

|  |  |        |  |
|--|--|--------|--|
|  |  | UN1170 |  |
|--|--|--------|--|



### Contains:

Bromophenol Blue: 0.04%  
Denatured Ethanol: 20%

| Code       | Pack  |
|------------|-------|
| RRSP7456-B | 100ml |
| RRSP7456-D | 500ml |

## Bromophenol Blue Indicator ACS

|                  |                   |  |  |
|------------------|-------------------|--|--|
| Cas No: 115-39-9 | Einecs: 204-086-2 |  |  |
|------------------|-------------------|--|--|

Minimum Assay: 98%  
Molecular Formula: C<sub>20</sub>H<sub>10</sub>Br<sub>4</sub>O<sub>5</sub>S  
Molecular Weight: 669.08 g/mol  
Melting Point: 270°C  
Visual Transition Interval: From pH 3.0 (Yellow) - pH 4.6 (Blue)

| Code        | Pack |
|-------------|------|
| RRBD25685-T | 5g   |

## Bromothymol Blue 0.04% pH Indicator

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|

### Contains:

Bromothymol Blue: <0.04%

| Code       | Pack  |
|------------|-------|
| RRSP5423-B | 100ml |
| RRSP5423-D | 500ml |

## Bromothymol Blue 0.04% Solution 20% Alcoholic

|  |  |        |  |
|--|--|--------|--|
|  |  | UN1170 |  |
|--|--|--------|--|



### Contains:

Bromothymol Blue <0.04%  
Denatured Ethanol: 20%

| Code       | Pack  |
|------------|-------|
| RRSP5445-B | 100ml |
| RRSP5445-D | 500ml |

## Bromothymol Blue Sodium Salt

|                    |                   |  |  |
|--------------------|-------------------|--|--|
| Cas No: 34722-90-2 | Einecs: 252-169-7 |  |  |
|--------------------|-------------------|--|--|

Dye Content: >95%  
Molecular Formula: C<sub>27</sub>H<sub>27</sub>Br<sub>2</sub>NaO<sub>5</sub>S  
Molecular Weight: 646.36 g/mol  
Melting Point: 200-202°C  
Visual Transition Interval: From pH 6.0 (Yellow) - pH 7.6 (Blue)

| Code        | Pack |
|-------------|------|
| RRBD25688-T | 5g   |

## Buffer Solution (Glycine) pH 2.0

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|

pH: 2.0 +/- 0.1

### Contains:

Glycine: <50%  
Hydrochloric Acid 0.1M: <45%

| Code      | Pack  |
|-----------|-------|
| RRPBS22-D | 500ml |
| RRPBS22-E | 1L    |
| RRPBS22-F | 2.5L  |
| RRPBS22-G | 5L    |

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## Buffer Solution pH 3.0

pH: 3.0 +/- 0.1

### Contains:

Hydrochloric Acid  
Mono Potassium Phthalate

| Code       | Pack  |
|------------|-------|
| RRPBS103-D | 500ml |
| RRPBS103-E | 1L    |
| RRPBS103-F | 2.5L  |
| RRPBS103-G | 5L    |

## Buffer Solution pH 4.0

pH: 4.0 +/- 0.1

### Contains:

Potassium Hydrogen Phthalate  
Hydrochloric Acid

| Code      | Pack  |
|-----------|-------|
| RRPBS93-D | 500ml |
| RRPBS93-E | 1L    |
| RRPBS93-F | 2.5L  |
| RRPBS93-G | 5L    |

## Buffer Solution pH 5.0

pH: 5.0 +/- 0.2%

### Contains:

Sodium Hydroxide  
Potassium Hydrogen Phthalate

| Code      | Pack  |
|-----------|-------|
| RRPBS50-D | 500ml |
| RRPBS50-E | 1L    |
| RRPBS50-F | 2.5L  |
| RRPBS50-G | 5L    |

## Buffer Solution pH 6.0

pH: 6.0 +/- 0.1

### Contains:

Sodium Hydroxide  
Mono Potassium Phosphate

| Code      | Pack  |
|-----------|-------|
| RRPBS60-D | 500ml |
| RRPBS60-E | 1L    |
| RRPBS60-F | 2.5L  |
| RRPBS60-G | 5L    |

## Buffer Solution pH 7.0

pH: 7.0 +/- 0.2%

### Contains:

Sodium Hydroxide  
Mono Potassium Phosphate

| Code       | Pack  |
|------------|-------|
| RRPBS107-D | 500ml |
| RRPBS107-E | 1L    |
| RRPBS107-F | 2.5L  |
| RRPBS107-G | 5L    |

## Buffer Solution pH 8.0

pH: 8.0 +/- 0.1

### Contains:

Di Sodium Tetraborate Decahydrate  
Hydrochloric Acid

| Code      | Pack  |
|-----------|-------|
| RRPBS80-D | 500ml |
| RRPBS80-E | 1L    |
| RRPBS80-F | 2.5L  |
| RRPBS80-G | 5L    |

## Buffer Solution pH 9.0

Buffer Solution pH 9.0 +/- 0.1

### Contains:

Hydrochloric Acid  
Di Sodium Tetraborate

| Code      | Pack  |
|-----------|-------|
| RRPBS90-D | 500ml |
| RRPBS90-E | 1L    |
| RRPBS90-F | 2.5L  |
| RRPBS90-G | 5L    |

## Buffer Solution pH 10

pH: 10.0 +/- 0.2%

### Contains:

Sodium Hydroxide  
di Sodium Tetraborate

| Code      | Pack  |
|-----------|-------|
| RRPBS92-D | 500ml |
| RRPBS92-E | 1L    |
| RRPBS92-F | 2.5L  |
| RRPBS92-G | 5L    |

## Buffer Tablets pH 4.2 to make 100ml

Dissolve 1 tablet in 100ml distilled water

pH: 4.2 +/- 0.02

| Code     | Pack    |
|----------|---------|
| AE23-001 | 50 pack |

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# Chemicals & Reagents

## Buffer Tablets pH 7.0 to make 100ml

Dissolve 1 tablet in 100ml distilled water

pH: 7.0 +/- 0.02

| Code     | Pack    |
|----------|---------|
| AE26-001 | 50 pack |

## Buffer Tablets pH 7.0 to make 1L

Dissolve 1 tablet in 1L distilled water

pH: 7.0 +/- 0.02

| Code     | Pack    |
|----------|---------|
| AE33-001 | 50 pack |

## Buffer Tablets pH 9.2 to make 100ml

Dissolve 1 tablet in 1L distilled water

pH: 7.0 +/- 0.02

| Code     | Pack    |
|----------|---------|
| AE35-001 | 50 pack |

## Butan-1-ol 99.4% ACS

|                 |                   |        |                   |
|-----------------|-------------------|--------|-------------------|
| Cas No: 71-36-3 | Einecs: 200-715-6 | UN1120 | Flash Point: 35°C |
|-----------------|-------------------|--------|-------------------|



Minimum Assay: 99.4%  
Molecular Formula: C<sub>4</sub>H<sub>10</sub>O  
Molecular Weight: 74.12 g/mol  
Boiling Point: 116°C  
Melting Point: -90°C  
Density at 25°C (g/cm<sup>3</sup>): 0.81  
Refractive Index: 1.399

| Code      | Pack  |
|-----------|-------|
| GPS9004-D | 500ml |
| GPS9004-F | 2.5L  |

## Butan-2-ol 99.5% ACS

|                 |                   |        |                   |
|-----------------|-------------------|--------|-------------------|
| Cas No: 78-92-2 | Einecs: 201-158-5 | UN1120 | Flash Point: 23°C |
|-----------------|-------------------|--------|-------------------|



Minimum Assay: >99.5%  
Molecular Formula: C<sub>4</sub>H<sub>10</sub>O  
Molecular Weight: 74.12 g/mol  
Boiling Point: 98°C  
Melting Point: -115°C  
Density at 25°C (g/cm<sup>3</sup>): 0.808  
Refractive Index: 1.397

| Code      | Pack  |
|-----------|-------|
| GPS9005-D | 500ml |
| GPS9005-E | 1L    |
| GPS9005-F | 2.5L  |

## Butanoic Acid 99% Food Grade

|                  |                   |        |                   |
|------------------|-------------------|--------|-------------------|
| Cas No: 107-92-6 | Einecs: 203-532-3 | UN2820 | Flash Point: 69°C |
|------------------|-------------------|--------|-------------------|



Minimum Assay: >99%  
Molecular Formula: C<sub>4</sub>H<sub>8</sub>O<sub>2</sub>  
Molecular Weight: 88.11 g/mol  
Melting Point: -8°C  
Boiling Point: 162-164°C  
Density at 25°C (g/cm<sup>3</sup>): 0.964  
Refractive Index: 1.3980  
Source: Synthetic

| Code      | Pack  |
|-----------|-------|
| GPC5121-B | 100ml |
| GPC5121-C | 250ml |

## Butyl Acetate 99%

|                  |                   |        |                   |
|------------------|-------------------|--------|-------------------|
| Cas No: 123-86-4 | Einecs: 204-658-1 | UN1123 | Flash Point: 22°C |
|------------------|-------------------|--------|-------------------|



Minimum Assay: >99%  
Molecular Formula: C<sub>6</sub>H<sub>12</sub>O<sub>2</sub>  
Molecular Weight: 116.16 g/mol  
Boiling Point: 124-126°C  
Melting Point: -78°C  
Density at 25°C (g/cm<sup>3</sup>): 0.88  
Refractive Index: 1.394

| Code      | Pack  |
|-----------|-------|
| GPS9456-D | 500ml |

## Butylamine 99.5%

|                  |                   |        |                   |
|------------------|-------------------|--------|-------------------|
| Cas No: 109-73-9 | Einecs: 203-699-2 | UN1125 | Flash Point: -7°C |
|------------------|-------------------|--------|-------------------|



Minimum Assay: 99.5%  
Molecular Formula: CH<sub>3</sub>(CH<sub>2</sub>)<sub>3</sub>NH<sub>2</sub>  
Molecular Weight: 73.14 g/mol  
Boiling Point: 78°C  
Melting Point: -49°C  
Density at 25°C (g/cm<sup>3</sup>): 0.74  
Refractive Index: 1.401

| Code        | Pack  |
|-------------|-------|
| GPC471305-B | 100ml |
| GPC471305-C | 250ml |

## Caffeine Anhydrous 98.5- 101.0% BP,USP, EP6

|                 |                   |  |  |
|-----------------|-------------------|--|--|
| Cas No: 58-08-2 | Einecs: 200-362-1 |  |  |
|-----------------|-------------------|--|--|



Minimum Assay: 98.5-101.0%  
EP/USP  
Molecular Formula: C<sub>8</sub>H<sub>10</sub>N<sub>4</sub>O<sub>2</sub>  
Molecular Weight: 194.19 g/mol  
Melting Point: 234.0 - 239.0°C

| Code      | Pack |
|-----------|------|
| GPC5533-W | 25g  |
| GPC5533-X | 100g |

## Calcium Acetate 99%

|                 |                   |  |  |
|-----------------|-------------------|--|--|
| Cas No: 62-54-4 | Einecs: 200-540-9 |  |  |
|-----------------|-------------------|--|--|



Minimum Assay: >99%  
Molecular Formula: (CH<sub>3</sub>CO<sub>2</sub>)<sub>2</sub>Ca  
Molecular Weight: 158.17 g/mol

| Code       | Pack |
|------------|------|
| GPC6254-2X | 250g |

## Calcium Carbide

|                 |                   |        |  |
|-----------------|-------------------|--------|--|
| Cas No: 75-20-7 | Einecs: 200-848-3 | UN1402 |  |
|-----------------|-------------------|--------|--|



Molecular Formula: CaC<sub>2</sub>  
Molecular Weight: 64.09 g/mol  
Thickness: <10mm  
Melting Point: 2300°C  
Density at 25°C (g/cm<sup>3</sup>): 2.22

| Code       | Pack |
|------------|------|
| GPC9989-X  | 100g |
| GPC9989-5X | 500g |
| GPC9989-Y  | 1kg  |

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# Chemicals & Reagents

## Calcium Carbonate 96.8%

|                  |                   |  |  |
|------------------|-------------------|--|--|
| Cas No: 471-34-1 | Einecs: 207-439-9 |  |  |
|------------------|-------------------|--|--|

Minimum Assay: >96.8%  
Molecular Formula:  $\text{CaCO}_3$   
Molecular Weight: 100.9 g/mol  
Melting Point: 800°C  
Density at 25°C (g/cm<sup>3</sup>): 2.93  
Refractive Index: 1.6583  
HCl Insoluble content: <2.3%

| Code       | Pack |
|------------|------|
| GPC4466-5X | 500g |
| GPC4466-Y  | 1Kg  |
| GPC4466-3Y | 3kg  |

## Calcium Chloride 77.5%

|                    |                   |  |  |
|--------------------|-------------------|--|--|
| Cas No: 10043-52-4 | Einecs: 233-140-8 |  |  |
|--------------------|-------------------|--|--|

Minimum Assay: 77.5%  
Molecular Formula:  $\text{CaCl}_2$   
Molecular Weight: 110.98 g/mol  
Melting Point: 772°C  
Boiling Point: 1670°C  
Density at 20°C (g/cm<sup>3</sup>): 2.15  
pH (10% soln 20°C): 8-10

| Code       | Pack |
|------------|------|
| GPC8040-5X | 500g |
| GPC8040-2Y | 2kg  |

## Calcium Chloride Hexahydrate 98%

|                   |  |  |  |
|-------------------|--|--|--|
| Cas No: 7774-34-7 |  |  |  |
|-------------------|--|--|--|

Minimum Assay: >98%  
Molecular Formula:  $\text{CaCl}_2 \cdot 6\text{H}_2\text{O}$   
Molecular Weight: 219.08 g/mol  
Melting Point: 30°C  
Density at 25°C (g/cm<sup>3</sup>): 1.71  
Appearance: White

| Code         | Pack |
|--------------|------|
| GPC442909-5X | 500g |

## Calcium Hydroxide 98%

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 1305-62-0 | Einecs: 215-137-3 |  |  |
|-------------------|-------------------|--|--|

Minimum Assay: >97.98%  
Molecular Formula:  $\text{Ca(OH)}_2$   
Molecular Weight: 74.09 g/mol  
Melting Point: 550°C  
Density at 25°C (g/cm<sup>3</sup>): 2.24  
pH (saturated soln 20°C): 12.6

| Code      | Pack |
|-----------|------|
| GPC9302-Y | 1kg  |

## Calcium Hypochlorite 65%

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7778-54-3 | Einecs: 231-908-7 | UN1748 |  |
|-------------------|-------------------|--------|--|

Minimum Assay: >65%  
Molecular Formula:  $\text{Ca(OCl)}_2$   
Molecular Weight: 142.98 g/mol  
Melting Point: 100°C  
Density at 25°C (g/cm<sup>3</sup>): 2.35

| Code        | Pack |
|-------------|------|
| GPC99989-5X | 500g |

## Calcium Nitrate Tetrahydrate 99-102.0% ACS

|                    |                   |  |  |
|--------------------|-------------------|--|--|
| Cas No: 13477-34-4 | Einecs: 233-332-1 |  |  |
|--------------------|-------------------|--|--|

Minimum Assay: 99.0-102.0%  
Molecular Formula:  $\text{Ca(NO}_3)_2 \cdot 4\text{H}_2\text{O}$   
Molecular Weight: 236.15 g/mol  
Boiling Point: 132°C  
Melting Point: 44°C  
Density at 20°C (g/cm<sup>3</sup>): 1.82

| Code       | Pack |
|------------|------|
| GPC8647-5X | 500g |

## Calcium Oxide 96% High Reactivity Fine

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 1305-78-8 | Einecs: 215-138-9 | UN1910 |  |
|-------------------|-------------------|--------|--|

Minimum Assay: >96.1%  
Molecular Formula:  $\text{CaO}$   
Molecular Weight: 56.08 g/mol  
Melting Point: 2850°C  
Density at 25°C (g/cm<sup>3</sup>): 3.3  
Loss on ignition: <1.10%  
BS6463 Reactivity (2 min): 65.0°C  
BS6463 Reactivity (5 min): 67.0°C

| Code       | Pack |
|------------|------|
| GPC5487-5X | 500g |
| GPC5487-Y  | 1kg  |

## Calcium Oxide 96.1% High Reactivity Lump

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 1305-78-8 | Einecs: 215-138-9 | UN1910 |  |
|-------------------|-------------------|--------|--|

Minimum Assay: >96.1%  
Molecular Formula:  $\text{CaO}$   
Molecular Weight: 56.08 g/mol  
Melting Point: 2850°C  
Density at 25°C (g/cm<sup>3</sup>): 3.3  
Loss on ignition: <1.10%  
BS6463 Reactivity (2 min): 65.0°C  
BS6463 Reactivity (5 min): 67.0°C

| Code      | Pack |
|-----------|------|
| GPC8867-Y | 1kg  |

## Calcium Sulphate di-Hydrate 99% (E516 FG)

|                    |                   |  |  |
|--------------------|-------------------|--|--|
| Cas No: 10101-41-4 | Einecs: 231-900-3 |  |  |
|--------------------|-------------------|--|--|

Minimum Assay: >99%  
Molecular Formula:  $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$   
Molecular Weight: 172.17 g/mol  
Melting Point: 1450°C  
Density at 20°C (g/cm<sup>3</sup>): 2.32  
pH (5% soln 20°C): 7.0  
Solubility in Water: 2.1g/L

| Code       | Pack |
|------------|------|
| GPC3635-5X | 500g |

## Calcium Sulphate Hemihydrate 96%

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7778-18-9 | Einecs: 231-900-3 |  |  |
|-------------------|-------------------|--|--|

Minimum Assay: <96%  
Molecular Formula:  $\text{CaO} \cdot \frac{1}{2}\text{H}_2\text{O}$   
Molecular Weight: 136.14 g/mol  
Melting Point: 1450°C  
Density at 20°C (g/cm<sup>3</sup>): 2.96  
Solubility in water: 0.24g in 100g water  
Loss on ignition: <2.85%

| Code        | Pack |
|-------------|------|
| GPC1024-3Y  | 3kg  |
| GPC1024-5Y  | 5kg  |
| GPC1024-10Y | 10kg |

## Calcium Tetrahydrogen Di-Orthophosphate Monohydrate

|                    |                   |  |  |
|--------------------|-------------------|--|--|
| Cas No: 10031-30-8 | Einecs: 231-837-1 |  |  |
|--------------------|-------------------|--|--|

Minimum Assay: >99%  
Molecular Formula:  $\text{CaH}_4\text{O}_8\text{P}_2 \cdot \text{H}_2\text{O}$   
Molecular Weight: 252.07 g/mol  
Melting Point: >450°C

| Code       | Pack |
|------------|------|
| GPC6688-5X | 500g |

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## Camphor Synthetic 95%

|                 |                   |        |                   |
|-----------------|-------------------|--------|-------------------|
| Cas No: 76-22-2 | Einecs: 200-945-0 | UN2717 | Flash Point: 64°C |
|-----------------|-------------------|--------|-------------------|

Minimum Assay: 95%  
Molecular Formula:  $\text{C}_{10}\text{H}_{16}\text{O}$   
Molecular Weight: 152.23 g/mol  
Boiling Point: 204°C  
Melting Point: 170-180°C  
Density at 25°C (g/cm<sup>3</sup>): 0.992

| Code      | Pack |
|-----------|------|
| GPC6486-X | 100g |

## Carbol Fuchsin (Gram)

|  |  |  |                   |
|--|--|--|-------------------|
|  |  |  | Flash Point: 24°C |
|--|--|--|-------------------|

**Contains:**  
Denatured Ethanol: <10%  
Basic Fuchsin

| Code     | Pack  |
|----------|-------|
| RRSP16-B | 100ml |

## Carbol Fuchsin (ZN)

|  |  |        |                   |
|--|--|--------|-------------------|
|  |  | UN2924 | Flash Point: 58°C |
|--|--|--------|-------------------|

**Contains:**  
Denatured Ethanol: <15%  
Phenol: <5%

| Code     | Pack  |
|----------|-------|
| RRSP17-B | 100ml |

## Carbon Disulfide 99.9% ACS

|                 |                   |        |                    |
|-----------------|-------------------|--------|--------------------|
| Cas No: 75-15-0 | Einecs: 200-843-6 | UN1131 | Flash Point: -30°C |
|-----------------|-------------------|--------|--------------------|

Minimum Assay: 99.9%  
Molecular Formula:  $\text{CS}_2$   
Molecular Weight: 76.14 g/mol  
Boiling Point: 46°C  
Melting Point: -112°C  
Density at 25°C (g/cm<sup>3</sup>): 1.266  
Refractive Index: 1.627

| Code      | Pack  |
|-----------|-------|
| GPC7890-C | 250ml |
| GPC7890-D | 500ml |

## Carmine Acetic

|  |  |        |  |
|--|--|--------|--|
|  |  | UN2790 |  |
|--|--|--------|--|

**Contains:**  
Carmine: <1%  
Acetic Acid: <45%

| Code      | Pack  |
|-----------|-------|
| RRSP786-B | 100ml |

## Castor Oil BP

|                   |                   |  |                     |
|-------------------|-------------------|--|---------------------|
| Cas No: 8001-79-4 | Einecs: 232-293-8 |  | Flash Point: >113°C |
|-------------------|-------------------|--|---------------------|

Refractive Index: 1.477- 1.481  
Boiling Point: 313°C  
Unsaponifiable Matter: <0.8%  
Peroxide Value: <5.0  
Saponification Value: 176 - 187  
Specific Optical Rotation: +3.5 - 6.0°  
Acid Value: <2.0  
Iodine Value: 82 - 90  
Hydroxyl Value: 150ml KOH/g  
Absorption (Light): <1.0  
Solubility: Soluble in Chloroform, slightly soluble in light petroleum  
Miscibility: Miscible with Ethanol/Acetic Acid

| Code       | Pack  |
|------------|-------|
| GPS1285-D  | 500ml |
| GPS1285-2E | 2L    |

## Catechol 99%

|                  |                   |        |                    |
|------------------|-------------------|--------|--------------------|
| Cas No: 120-80-9 | Einecs: 204-427-5 | UN2811 | Flash Point: 127°C |
|------------------|-------------------|--------|--------------------|

Minimum Assay: >99.9%  
Molecular Formula:  $\text{C}_6\text{H}_6\text{O}_2$   
Molecular Weight: 110.11 g/mol  
Melting Point: 104-107°C  
Boiling Point: 245-246°C  
Chroma: 266 Max

| Code      | Pack |
|-----------|------|
| GPC8895-X | 100g |

## Cerium (IV) Sulphate 99.95%

|                    |                   |  |  |
|--------------------|-------------------|--|--|
| Cas No: 13590-82-4 | Einecs: 237-029-5 |  |  |
|--------------------|-------------------|--|--|

Minimum Assay: >99.95%  
Molecular Formula:  $\text{Ce(SO}_4)_2$   
Molecular Weight: 332.24 g/mol  
Density at 25°C (g/cm<sup>3</sup>): 3.01  
Appearance: Yellow Powder

| Code       | Pack |
|------------|------|
| GPC00512-W | 25g  |

## Charcoal Activated Granular

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7440-44-0 | Einecs: 231-153-3 |  |  |
|-------------------|-------------------|--|--|

Molecular Formula: C  
Molecular Weight: 12.01 g/mol  
Melting Point: 3550°C  
Resistivity: 1375 μΩ-cm  
Solubility in water (% weight): <0.35%

| Code       | Pack |
|------------|------|
| GPC8059-5X | 500g |

## Charcoal Activated Powder DCL320

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7440-44-0 | Einecs: 231-153-3 |  |  |
|-------------------|-------------------|--|--|

Wood Based High Activity  
Molecular Weight: 12.01 g/mol  
Molasses Decolour: >500 (TM3)  
Moisture as packed: Particle Size: 60-86 (Total Surface Density (N2 BET Method): <1000m<sup>2</sup>/g  
Methylene Blue: Ash: <4% w/w  
Water Extractables: <0.5%

| Code      | Pack |
|-----------|------|
| DCL320-5X | 500g |
| DCL320-Y  | 1kg  |

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# Chemicals & Reagents

## Chlor Zinc Iodine (Schultze Solution)

Cas No: UN1840



### Contains:

Zinc Chloride: <2%  
Iodine: <1%  
Potassium Iodide: <1%

| Code      | Pack  |
|-----------|-------|
| GPC7458-B | 100ml |
| GPC7458-C | 250ml |

## Chloral Hydrate 100.8% ACS,USP,Ph.Eur

Cas No: 302-17-0 EINECS: 206-117-5 UN2811



Minimum Assay: <100.8%  
Molecular Formula: C<sub>2</sub>H<sub>3</sub>Cl<sub>3</sub>O<sub>2</sub>  
Molecular Weight: 165.4 g/mol  
Boiling Point: 97°C  
Melting Point: 51.6°C  
pH (10% soln 20°C): 3.5-5.5

| Code       | Pack |
|------------|------|
| GPC8003-5X | 500g |

## Chlorobenzene 99%

Cas No: 108-90-7 EINECS: 203-628-5 UN1134 Flash Point: 27°C



Minimum Assay: 99%  
Molecular Formula: C<sub>6</sub>H<sub>5</sub>Cl  
Molecular Weight: 112.56 g/mol  
Boiling Point: 132°C  
Melting Point: -45°C  
Density at 25°C (g/cm<sup>3</sup>): 1.106

| Code      | Pack  |
|-----------|-------|
| GPS1550-B | 100ml |
| GPS1550-C | 250ml |

## 1-Chlorobutane 99%

Cas No: 109-69-3 EINECS: 203-696-6 UN1127 Flash Point: -12°C



Minimum Assay: >99%  
Molecular Formula: C<sub>4</sub>H<sub>9</sub>Cl  
Molecular Weight: 92.57 g/mol  
Boiling Point: 77-78°C  
Melting Point: -123°C  
Density at 25°C (g/cm<sup>3</sup>): 0.886  
Refractive Index: 1.4024  
Residue on Evaporation: <50 ppm

| Code      | Pack  |
|-----------|-------|
| GPS1328-A | 50ml  |
| GPS1328-B | 100ml |
| GPS1328-C | 250ml |

## 2-Chlorobutane 98%

Cas No: 78-86-4 EINECS: 201-151-7 UN1127 Flash Point: -12°C



Minimum Assay: >99%  
Molecular Formula: C<sub>4</sub>H<sub>9</sub>Cl  
Molecular Weight: 92.57 g/mol  
Boiling Point: 67-69°C  
Melting Point: -140°C  
Density at 25°C (g/cm<sup>3</sup>): 0.873  
Refractive Index: 1.3970

| Code      | Pack  |
|-----------|-------|
| GPS1331-B | 100ml |

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## 2-Chloro-2-methylpropane 99%

Cas No: 507-20-0 EINECS: 208-066-4 UN1127 Flash Point: -23°C



Minimum Assay: 99%  
Molecular Formula: (CH<sub>3</sub>)<sub>3</sub>CCl  
Molecular Weight: 92.57 g/mol  
Boiling Point: 52°C  
Melting Point: -28°C  
Density at 25°C (g/cm<sup>3</sup>): 0.851

| Code      | Pack  |
|-----------|-------|
| GPS1350-B | 100ml |

## Chloroform 99.95% ACS

Cas No: 67-66-3 EINECS: 200-663-8 UN1888



Minimum Assay: 99.95%  
Molecular Formula: CHCl<sub>3</sub>  
Molecular Weight: 119.38 g/mol  
Boiling Point: 61.2°C  
Melting Point: -63°C  
Density at 20°C (g/cm<sup>3</sup>): 1.48  
Refractive Index: 1.445  
Water: <50 mg/kg  
Residue on evaporation: <10 mg/kg  
Acidity (as HCl): <5 mg/kg

| Code      | Pack  |
|-----------|-------|
| GPS9009-D | 500ml |
| GPS9009-F | 2.5L  |

## Chromic Acid 99%

Cas No: 1333-82-0 EINECS: 215-607-8 UN1463



Minimum Assay: 99%  
Molecular Formula: H<sub>2</sub>CrO<sub>4</sub>  
Molecular Weight: 118.01 g/mol  
Melting Point: 197°C  
Boiling Point: 330°C

| Code       | Pack |
|------------|------|
| GPC8039-2X | 250g |

## Chromium (III) Nitrate Nonanhydrate 98.5%

Cas No: 7789-02-8 EINECS: 236-921-1 UN2720



Minimum Assay: >98.5%  
Molecular Formula: Cr(NO<sub>3</sub>)<sub>3</sub>·9H<sub>2</sub>O  
Molecular Weight: 400.15 g/mol  
Melting Point: 60°C  
Density (g/cm<sup>3</sup>): 1.80

| Code       | Pack |
|------------|------|
| GPC2480-X  | 100g |
| GPC2480-2X | 250g |

## Chromium (III) Potassium Sulphate 99.0-102.0%

Cas No: 7788-99-0 EINECS: 233-401-6



Assay (iodometric): 99.0-102.0%  
Molecular Formula: CrK(SO<sub>4</sub>)<sub>2</sub>·12H<sub>2</sub>O  
Molecular Weight: 499.41 g/mol  
Melting Point: 89°C  
Density at 20°C (g/cm<sup>3</sup>): 1.83  
pH (5% soln 20°C): 3

| Code       | Pack |
|------------|------|
| GPC1469-X  | 100g |
| GPC1469-5X | 500g |

# Chemicals & Reagents

## Cinnamic Acid 99%

Cas No: 140-10-3 EINECS: 205-398-1



Minimum Assay: <99%  
Molecular Formula: C<sub>9</sub>H<sub>8</sub>O<sub>2</sub>  
Molecular Weight: 148.16 g/mol  
Boiling Point: 300°C  
Melting Point: 132-135°C  
Density at 4°C (g/cm<sup>3</sup>): 1.248  
Solubility in Water (% weight): 0.4 g/L in water (20°C)

| Code      | Pack |
|-----------|------|
| GPC6075-X | 100g |

## Citric Acid Anhydrous 99.5-100.5% Crystals BP,USP,FCC

Cas No: 77-92-9 EINECS: 201-069-1 Flash Point: 173°C



Minimum Assay: 99.5-100.5%  
Molecular Formula: C<sub>6</sub>H<sub>8</sub>O<sub>7</sub>  
Molecular Weight: 192.14 g/mol  
Boiling Point: 175°C  
Melting Point: 153-159°C  
Density at 18°C (g/cm<sup>3</sup>): 1.665

| Code       | Pack |
|------------|------|
| GPC8017-5X | 500g |
| GPC8017-Y  | 1kg  |
| GPC8017-3Y | 3kg  |

## Citric Acid Monohydrate 99.7% ACS,USP,Ph.Eur

Cas No: 5949-29-1 EINECS: 201-069-1 Flash Point: 173°C



Minimum Assay: 99.7-100.3%  
Molecular Formula: C<sub>6</sub>H<sub>8</sub>O<sub>7</sub>·H<sub>2</sub>O  
Molecular Weight: 210.14 g/mol  
Melting Point: 135-152°C  
Density at 20°C (g/cm<sup>3</sup>): 1.54  
Water: 7.5-8.8%

| Code       | Pack |
|------------|------|
| GPC8016-5X | 500g |
| GPC8016-Y  | 1kg  |
| GPC8016-3Y | 3kg  |

## Cobalt (II) Chloride Hexahydrate 97%

Cas No: 7791-13-1 EINECS: 231-589-4 UN3077



Passes the requirements of E170  
Minimum Assay as Co: 23.5-25.0% w/w (Complexometric)  
Molecular Formula: CoCl<sub>2</sub>·6H<sub>2</sub>O  
Molecular Weight: 237.93 g/mol  
Melting Point: 56°C  
Density at 25°C (g/cm<sup>3</sup>): 1.92

| Code       | Pack |
|------------|------|
| GPC6286-X  | 100g |
| GPC6286-2X | 250g |
| GPC6286-5X | 500g |

## Cobalt (II) Nitrate Hexahydrate 98%

Cas No: 10026-22-9 EINECS: 233-402-1 UN1477



Minimum Assay (as Co): 20.0-20.5% (Complexometric)  
Molecular Formula: Co(NO<sub>3</sub>)<sub>2</sub>·6H<sub>2</sub>O  
Molecular Weight: 291.04 g/mol  
Melting Point: 55°C

| Code      | Pack |
|-----------|------|
| GPC1668-X | 100g |

## Cobalt Powder 99.8% Trace Metals Basis

Cas No: 7440-48-4 EINECS: 231-158-0 UN3089



Minimum Assay: 99.8% trace metals basis  
Molecular Formula: Co  
Molecular Weight: 58.9 g/mol  
Melting Point: 1495°C  
Boiling Point: 2900°C  
Density at 25°C (g/cm<sup>3</sup>): 8.9  
Resistivity: 6.24 µΩ-cm  
Particle Size: 2µm

| Code      | Pack |
|-----------|------|
| GPC1700-W | 25g  |

## Congo Red C.I. 22120

Cas No: 573-58-0 EINECS: 209-358-4



Molecular Formula: C<sub>22</sub>H<sub>12</sub>N<sub>6</sub>S<sub>2</sub>Na<sub>2</sub>  
Molecular Weight: 696.66 g/mol  
Melting Point: 360°C  
Absorptivity (at λ<sub>max</sub>): 585nm  
Loss on drying: <2.5%  
Transition Range (3.5-5): Blue-red

| Code     | Pack |
|----------|------|
| RRBD75-T | 5g   |
| RRBD75-U | 10g  |

## Copper (I) Chloride 97%

Cas No: 7758-89-6 EINECS: 231-842-9 UN2802



Minimum Assay: >97%  
Assay as Cu (Complexometric): <63.0%  
Molecular Formula: CuCl  
Molecular Weight: 99.00g/mol  
Boiling Point: 1490°C  
Melting Point: 430°C  
Density at 25°C (g/cm<sup>3</sup>): 4.14  
Refractive Index: 1.93

| Code      | Pack |
|-----------|------|
| GPC3333-X | 100g |

## Copper (I) Oxide 97%

Cas No: 1317-39-1 EINECS: 215-270-7 UN3077



Minimum Assay: >97.0%  
Molecular Formula: Cu<sub>2</sub>O  
Molecular Weight: 143.09 g/mol  
Melting Point: 1235°C  
Boiling Point: 1800°C  
Density at 25°C (g/cm<sup>3</sup>): 6

| Code       | Pack |
|------------|------|
| GPC9909-X  | 100g |
| GPC9909-2X | 250g |
| GPC9909-5X | 500g |

## Copper (II) Acetate Monohydrate 99% ACS

Cas No: 6046-93-1 EINECS: 205-553-3 UN1759



Minimum Assay: 99%  
Molecular Formula: Cu(CO<sub>2</sub>CH<sub>3</sub>)<sub>2</sub>·H<sub>2</sub>O  
Molecular Weight: 199.65 g/mol  
Melting Point: 115°C  
Density at 25°C (g/cm<sup>3</sup>): 1.88  
pH (2% soln 20°C): 5.2-5.5

| Code       | Pack |
|------------|------|
| GPC9926-2X | 250g |

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# Chemicals & Reagents

| Copper (II) Carbonate dihydroxide, Cu 55% min |                   |        |  |
|-----------------------------------------------|-------------------|--------|--|
| Cas No: 12069-69-1                            | Einecs: 235-113-6 | UN3077 |  |

|  <p>Minimum Assay: &gt;95%<br/>Molecular Formula: <math>\text{CuCO}_3 \cdot \text{Cu}(\text{OH})_2</math><br/>Molecular Weight: 221.10 g/mol<br/>Melting Point: 200°C<br/>Density at 25°C (g/cm<sup>3</sup>): 4.00<br/>Copper (Cu): 53-55%</p> | Code       | Pack |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------|
|                                                                                                                                                                                                                                                                                                                                | GPC3070-2X | 250g |
|                                                                                                                                                                                                                                                                                                                                | GPC3070-5X | 500g |
|                                                                                                                                                                                                                                                                                                                                | GPC3070-Y  | 1kg  |
|                                                                                                                                                                                                                                                                                                                                | GPC3070-3Y | 3kg  |

| Copper (II) Chloride Dihydrate 97% |                   |        |  |
|------------------------------------|-------------------|--------|--|
| Cas No: 10125-13-0                 | Einecs: 231-210-2 | UN2802 |  |

|    <p>Minimum Assay: &gt;97%<br/>Molecular Formula: <math>\text{CuCl}_2 \cdot 2\text{H}_2\text{O}</math><br/>Molecular Weight: 170.48 g/mol<br/>Melting Point: 100°C<br/>Density at 20°C (g/cm<sup>3</sup>): 2.53<br/>pH (5% soln 20°C): 3.0-3.8<br/>Assay as Cu (Complexometric): &gt;36.2%</p> | Code       | Pack |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | GPC7103-2X | 250g |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | GPC7103-5X | 500g |

| Copper (II) Nitrate Trihydrate 99.5% ACS |                   |        |  |
|------------------------------------------|-------------------|--------|--|
| Cas No: 10031-43-3                       | Einecs: 221-838-5 | UN1477 |  |

|     <p>Minimum Assay: &gt;99%<br/>Molecular Formula: <math>\text{Cu}(\text{NO}_3)_2 \cdot 3\text{H}_2\text{O}</math><br/>Molecular Weight: 241.60 g/mol<br/>Melting Point: 114°C<br/>Density at 20°C (g/cm<sup>3</sup>): 3-4<br/>pH (5% soln 20°C): 3-4</p> | Code       | Pack |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | GPC5645-2X | 250g |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | GPC5645-5X | 500g |

| Copper (II) Oxide Black 99% |                   |        |  |
|-----------------------------|-------------------|--------|--|
| Cas No: 1317-38-0           | Einecs: 215-269-1 | UN3077 |  |

|  <p>Minimum Assay: &gt;99%<br/>Molecular Formula: <math>\text{CuO}</math><br/>Molecular Weight: 79.55 g/mol<br/>Melting Point: 1326°C<br/>Density at 25°C (g/cm<sup>3</sup>): 6.48<br/>pH (5% soln 20°C): 7<br/>Assay as Cu (complexometric): &gt;77.0%</p> | Code       | Pack |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------|
|                                                                                                                                                                                                                                                                                                                                               | GPC9341-2X | 250g |
|                                                                                                                                                                                                                                                                                                                                               | GPC9341-5X | 500g |

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| Copper (II) Sulphate 0.5M Solution |  |        |  |
|------------------------------------|--|--------|--|
|                                    |  | UN3082 |  |

|   <p><b>Contains:</b><br/>Copper (II) Sulphate<br/>Pentahydrate: 0.5M +/- 2%</p> | Code     | Pack |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|
|                                                                                                                                                                                                                                                    | VM6202-E | 1L   |

| Copper (II) Sulphate Anhydrous 98% |                   |        |  |
|------------------------------------|-------------------|--------|--|
| Cas No: 7758-98-7                  | Einecs: 231-847-6 | UN3077 |  |

|   <p>Minimum Assay: &gt;98.0%<br/>Molecular Formula: <math>\text{CuO}_4\text{S}</math><br/>Molecular Weight: 159.60 g/mol<br/>Melting Point: 200°C<br/>Density at 20°C (g/cm<sup>3</sup>): 3.60<br/>pH (5% soln 20°C): 3.5-4.5</p> | Code       | Pack |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------|
|                                                                                                                                                                                                                                                                                                                                                                                                      | GPC7101-2X | 250g |
|                                                                                                                                                                                                                                                                                                                                                                                                      | GPC7101-5X | 500g |

| Copper (II) Sulphate Pentahydrate 98% |                   |        |  |
|---------------------------------------|-------------------|--------|--|
| Cas No: 7758-99-8                     | Einecs: 231-847-6 | UN3077 |  |

|   <p>Minimum Assay: &lt;98%<br/>Molecular Formula: <math>\text{CuO}_4\text{S} \cdot 5\text{H}_2\text{O}</math><br/>Molecular Weight: 249.68 g/mol<br/>Melting Point: 110°C<br/>Density at 20°C (g/cm<sup>3</sup>): 2.284<br/>pH (5% at 25°C): 3.7-4.5<br/>Solubility in water (% weight): 31.6%</p> | Code       | Pack |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | GPC7100-5X | 500g |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | GPC7100-Y  | 1kg  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | GPC7100-3Y | 3kg  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | GPC7100-5Y | 5kg  |

| Copper Metal Foil 99.58% 0.1mm |                   |        |  |
|--------------------------------|-------------------|--------|--|
| Cas No: 7740-50-8              | Einecs: 231-159-6 | UN3077 |  |

| <p>Minimum Assay: 99.58%<br/>Molecular Formula: <math>\text{Cu}</math><br/>Molecular Weight: 63.55 g/mol<br/>Form: Reddish foil<br/>Boiling Point: 2567°C<br/>Melting Point: 1083.4°C<br/>Resistivity: 1.673 <math>\mu\Omega\cdot\text{cm}</math><br/>Thickness: 0.1mm</p> | Code       | Pack |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------|
|                                                                                                                                                                                                                                                                            | GPC5133-2X | 250g |
|                                                                                                                                                                                                                                                                            | GPC5133-5X | 500g |

| Copper Powder Fine |                   |        |  |
|--------------------|-------------------|--------|--|
| Cas No: 7440-50-8  | Einecs: 231-159-6 | UN3089 |  |

|   <p>Minimum Assay: 99%<br/>Molecular Formula: <math>\text{Cu}</math><br/>Molecular Weight: 63.55 g/mol<br/>Boiling Point: 2567°C<br/>Melting Point: 1083.4°C<br/>Resistivity: 1.673 <math>\mu\Omega\cdot\text{cm}</math><br/>Density at 25°C (g/cm<sup>3</sup>): 8.94</p> | Code       | Pack |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  | GPC5155-2W | 50g  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  | GPC5155-X  | 100g |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  | GPC5155-2X | 250g |

# Chemicals & Reagents

| Cresol Red 0.02% Indicator Solution |  |  |  |
|-------------------------------------|--|--|--|
|                                     |  |  |  |

| <p><b>Contains:</b><br/>Sodium Hydroxide 0.001M Solution: &lt;10%<br/>Cresol Red Sodium Salt: &lt;1%</p> | Code       | Pack  |
|----------------------------------------------------------------------------------------------------------|------------|-------|
|                                                                                                          | RRSP4465-B | 100ml |
|                                                                                                          | RRSP4465-D | 500ml |

| Cresol Red Sodium Salt |                   |  |  |
|------------------------|-------------------|--|--|
| Cas No: 62625-29-0     | Einecs: 263-654-8 |  |  |

| <p>Dye Content: &gt;95%<br/>Molecular Formula: <math>\text{C}_{21}\text{H}_{17}\text{NaO}_5\text{S}</math><br/>Molecular Weight: 404.41 g/mol<br/>Melting Point: &gt;300°C</p> | Code        | Pack |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------|
|                                                                                                                                                                                | RRBD25681-T | 5g   |

| Crystal Violet 0.5% Aqueous |  |        |  |
|-----------------------------|--|--------|--|
|                             |  | UN3082 |  |

| <p><b>Contains:</b><br/>Denatured Ethanol: &lt;10%<br/>Crystal Violet Powder: &lt;1%</p> | Code     | Pack  |
|------------------------------------------------------------------------------------------|----------|-------|
|                                                                                          | RRSP23-B | 100ml |
|                                                                                          | RRSP23-D | 500ml |

| Crystal Violet 1% Alcoholic |  |        |  |
|-----------------------------|--|--------|--|
|                             |  | UN1170 |  |

|    <p><b>Contains:</b><br/>Denatured Ethanol: &gt;99%<br/>Crystal Violet: &lt;1%</p> | Code      | Pack  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------|
|                                                                                                                                                                                                                                                                                                                                                     | RRSP240-B | 100ml |

| Crystal Violet 2% Alcoholic |  |        |  |
|-----------------------------|--|--------|--|
|                             |  | UN1170 |  |

|    <p><b>Contains:</b><br/>Denatured Ethanol: &gt;99%<br/>Crystal Violet: &lt;2%</p> | Code      | Pack  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------|
|                                                                                                                                                                                                                                                                                                                                                     | RRSP204-B | 100ml |

| Crystal Violet BP80 C.I. 42555 |                   |        |  |
|--------------------------------|-------------------|--------|--|
| Cas No: 548-62-9               | Einecs: 208-953-6 | UN3077 |  |

|     <p>Dye Content: &gt;97.6%<br/>Molecular Formula: <math>\text{C}_{25}\text{H}_{30}\text{ClN}_3</math><br/>Molecular Weight: 407.99 g/mol<br/>Melting Point: 205°C</p> | Code     | Pack |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | RRBD36-T | 5g   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | RRBD36-W | 25g  |

| Cyclohexane 99.9% ACS |                   |        |                    |
|-----------------------|-------------------|--------|--------------------|
| Cas No: 110-82-7      | Einecs: 203-806-2 | UN1145 | Flash Point: -18°C |

|     <p>Minimum Assay: 99.9%<br/>Molecular Formula: <math>\text{C}_6\text{H}_{12}</math><br/>Molecular Weight: 84.16 g/mol<br/>Boiling Point: 80.7°C<br/>Melting Point: 6.5°C<br/>Density at 25°C (g/cm<sup>3</sup>): 0.779<br/>Refractive Index: 1.426</p> | Code      | Pack  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | GPS9010-C | 250ml |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | GPS9010-D | 500ml |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | GPS9010-E | 1L    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | GPS9010-F | 2.5L  |

| Cyclohexanol 98% |                   |  |                   |
|------------------|-------------------|--|-------------------|
| Cas No: 108-93-0 | Einecs: 203-630-6 |  | Flash Point: 68°C |

|  <p>Minimum Assay: &gt;98%<br/>Molecular Formula: <math>\text{C}_6\text{H}_{12}\text{O}</math><br/>Molecular Weight: 100.16 g/mol<br/>Boiling Point: 160-161°C<br/>Melting Point: 23-24°C<br/>Density at 25°C (g/cm<sup>3</sup>): 0.951<br/>Refractive Index: 1.4650</p> | Code      | Pack  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------|
|                                                                                                                                                                                                                                                                                                                                                               | GPS1575-C | 250ml |
|                                                                                                                                                                                                                                                                                                                                                               | GPS1575-D | 500ml |

| Cyclohexanone 99.8% ACS |                   |        |                   |
|-------------------------|-------------------|--------|-------------------|
| Cas No: 108-94-1        | Einecs: 208-631-1 | UN1915 | Flash Point: 43°C |

|    <p>Minimum Assay: &gt;99.8%<br/>Molecular Formula: <math>\text{C}_6\text{H}_{10}\text{O}</math><br/>Molecular Weight: 98.15 g/mol<br/>Boiling Point: 153-161°C<br/>Melting Point: -47°C<br/>Density at 25°C (g/cm<sup>3</sup>): 0.947<br/>Refractive Index: 1.450</p> | Code      | Pack  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | GPS7861-D | 500ml |

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# Chemicals & Reagents

## Cyclohexene 99%

|                  |                   |        |                    |
|------------------|-------------------|--------|--------------------|
| Cas No: 110-83-8 | Einecs: 203-807-8 | UN2256 | Flash Point: -12°C |
|------------------|-------------------|--------|--------------------|



Minimum Assay: >99%  
Molecular Formula: C<sub>6</sub>H<sub>10</sub>  
Molecular Weight: 82.13 g/mol  
Boiling Point: 83-85°C  
Melting Point: -104°C  
Density at 25°C (g/cm<sup>3</sup>): 0.811  
Refractive Index: 1.446

| Code      | Pack  |
|-----------|-------|
| GPC5343-C | 250ml |

## Deionised Water ACS

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7732-18-5 | Einecs: 231-791-2 |  |  |
|-------------------|-------------------|--|--|

Molecular Formula: H<sub>2</sub>O  
Molecular Weight: 18.02 g/mol  
Boiling Point: 100°C  
Melting Point: 0°C  
Density at 3.98°C (g/cm<sup>3</sup>): 1.00  
Refractive Index: 1.34

| Code      | Pack |
|-----------|------|
| GPC9500-F | 2.5L |
| GPC9500-G | 5L   |
| GPC9500-K | 25L  |

## Dextrin from Starch Potato (Yellow)

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 9004-53-9 | Einecs: 232-675-4 |  |  |
|-------------------|-------------------|--|--|

Solubility (Colour): Light Yellow - Very Dark Yellow  
Solubility (Turbidity): Clear to very Hazy  
Solubility: 1g in 10ml Water (at 20°C), 1 Hour

| Code       | Pack |
|------------|------|
| GPC7867-2X | 250g |

## Dextrose Anhydrous 99.5%

|                 |                   |  |  |
|-----------------|-------------------|--|--|
| Cas No: 50-99-7 | Einecs: 200-075-1 |  |  |
|-----------------|-------------------|--|--|

Molecular Formula: C<sub>6</sub>H<sub>12</sub>O<sub>6</sub>  
Molecular Weight: 180.16 g/mol  
Melting Point: 150-152°C  
Optical Rotation: +52.5° to +53.2°  
pH (10%; water): 5.7 – 7.0  
Foreign sugars, soluble starch, dextrin: Passes test

| Code       | Pack |
|------------|------|
| GPC3169-2X | 250g |
| GPC3169-5X | 500g |
| GPC3169-Y  | 1kg  |

## Di Ammonium Hydrogen Phosphate 95%

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7783-28-0 | Einecs: 231-987-8 |  |  |
|-------------------|-------------------|--|--|

Minimum Assay: >95%  
Molecular Formula: (NH<sub>4</sub>)H<sub>2</sub>PO<sub>4</sub>  
Molecular Weight: 136.02 g/mol  
Melting Point: 155°C  
Density at 20°C (g/cm<sup>3</sup>): 1.619  
pH (5% soln 25°C): 7.7-8.1  
P<sub>2</sub>O<sub>5</sub>: >53%

| Code       | Pack |
|------------|------|
| GPC6700-5X | 500g |

## Di Potassium Hydrogen Phosphate 98% ACS,FG

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7758-11-4 | Einecs: 231-834-5 |  |  |
|-------------------|-------------------|--|--|

Minimum Assay: >98%  
Molecular Formula: K<sub>2</sub>HPO<sub>4</sub>  
Molecular Weight: 174.18 g/mol  
Melting Point: 340°C  
Density at 20°C (g/cm<sup>3</sup>): 2.30  
pH (5% soln 25°C): 8.7-9.3

| Code       | Pack |
|------------|------|
| GPC8094-2X | 250g |
| GPC8094-5X | 500g |

## 1,6 Diamino Hexane 5% Solution in H<sub>2</sub>O

|  |  |        |  |
|--|--|--------|--|
|  |  | UN3267 |  |
|--|--|--------|--|



### Contains:

1,6 Diamino Hexane: 5%  
Distilled Water

| Code       | Pack  |
|------------|-------|
| RRSP3636-C | 250ml |

## Diaminohexane 98%

|                  |                   |        |                   |
|------------------|-------------------|--------|-------------------|
| Cas No: 124-09-4 | Einecs: 204-679-6 | UN2280 | Flash Point: 85°C |
|------------------|-------------------|--------|-------------------|



Minimum Assay: >98%  
Molecular Formula: C<sub>6</sub>H<sub>16</sub>N<sub>2</sub>  
Molecular Weight: 116.21 g/mol  
Boiling Point: 199-204°C  
Melting Point: 39-43°C  
Density at 60°C (g/cm<sup>3</sup>): 0.83  
pH (10% soln 25°C): 12.4  
Refractive Index: 1.439  
Sensitivity: Air Sensitive & Hygroscopic

| Code      | Pack |
|-----------|------|
| GPC6392-W | 25g  |

## Diastase

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 9001-19-8 | Einecs: 232-588-1 |  |  |
|-------------------|-------------------|--|--|



Activity: 30,000 amylase u/g  
Biological Source: *Aspergillus oryzae*  
Form: Off-white powder  
Optimum pH Range: 4.5 - 6.0  
Optimum Temperature Range: 50 - 55°C

| Code     | Pack |
|----------|------|
| A01788-X | 100g |

## 2,6-Dichloroindophenol Sodium Salt Hydrate

|                      |                   |  |  |
|----------------------|-------------------|--|--|
| Cas No: 1266615-56-8 | Einecs: 210-640-4 |  |  |
|----------------------|-------------------|--|--|

Molecular Formula: C<sub>12</sub>H<sub>6</sub>Cl<sub>2</sub>NNaO<sub>2</sub>·xH<sub>2</sub>O  
Molecular Weight: 290.08 g/mol (anhydrous)  
Melting Point: >300°C  
Solubility: Soluble in water

| Code          | Pack |
|---------------|------|
| RRBD25934-1GM | 1g   |
| RRBD25934-T   | 5g   |
| RRBD25934-W   | 25g  |

## 2,6-Dichlorophenolindophenol Sodium Salt Tablets for Determination of Vitamin C

An accurate determination of the Vitamin C content of urine in cases of suspected deficiency, or following the administration of a test dose, can be made within a few minutes by the use of compressed tablets, each containing an accurately standardized quantity of 2,6-dichloro-phenolindophenol.

| Code     | Pack    |
|----------|---------|
| AE50-003 | 20 pack |
| AE50-001 | 50 pack |

# Chemicals & Reagents

## Dichloromethane 99.9% ACS

|                 |                   |        |  |
|-----------------|-------------------|--------|--|
| Cas No: 75-09-2 | Einecs: 200-838-9 | UN1593 |  |
|-----------------|-------------------|--------|--|



Minimum Assay: >99.9%  
Molecular Formula: CH<sub>2</sub>Cl<sub>2</sub>  
Molecular Weight: 84.93 g/mol  
Boiling Point: 40°C  
Melting Point: -95°C  
Density at 25°C (g/cm<sup>3</sup>): 1.325  
Refractive Index: 1.424  
Stabiliser: Amylene 40-60ppm

| Code      | Pack  |
|-----------|-------|
| GPS9007-D | 500ml |
| GPS9007-F | 2.5L  |

## Diethyl Ether 99.5% Anhydrous ACS,EP (GW)

|                 |                   |        |                    |
|-----------------|-------------------|--------|--------------------|
| Cas No: 60-29-7 | Einecs: 200-467-2 | UN1155 | Flash Point: -40°C |
|-----------------|-------------------|--------|--------------------|



Minimum Assay: >99.5%  
Molecular Formula: C<sub>4</sub>H<sub>10</sub>O  
Molecular Weight: 74.12 g/mol  
Boiling Point: 34.6°C  
Melting Point: -116.3°C  
Density at 25°C (g/cm<sup>3</sup>): 0.71  
Refractive Index: 1.353  
Stabilised with BHT

| Code      | Pack  |
|-----------|-------|
| GWN9008-D | 500ml |
| GWN9008-F | 2.5L  |

## Diethylamine 99.9%

|                  |                   |        |                    |
|------------------|-------------------|--------|--------------------|
| Cas No: 109-89-7 | Einecs: 203-716-3 | UN1154 | Flash Point: -23°C |
|------------------|-------------------|--------|--------------------|



Minimum Assay: >99.9%  
Molecular Formula: (C<sub>2</sub>H<sub>5</sub>)<sub>2</sub>NH  
Molecular Weight: 73.14 g/mol  
Boiling Point: 56°C  
Melting Point: -50°C  
Density at 20°C (g/cm<sup>3</sup>): 0.71  
pH (10% soln 20°C): 13  
Refractive Index: 1.385  
Water (Karl Fisher): <0.10%  
Identity (IR): <0.10%

| Code      | Pack  |
|-----------|-------|
| GPC9804-D | 500ml |

## Di-Lauroyl Peroxide 97%

|                  |                   |        |  |
|------------------|-------------------|--------|--|
| Cas No: 105-74-8 | Einecs: 203-326-3 | UN3106 |  |
|------------------|-------------------|--------|--|



Minimum Assay: >97%  
Molecular Formula: [CH<sub>3</sub>(CH<sub>2</sub>)<sub>10</sub>CO]<sub>2</sub>O<sub>2</sub>  
Molecular Weight: 398.62 g/mol  
Melting Point: 49°C  
Density at 20°C (g/cm<sup>3</sup>): 0.91

| Code      | Pack |
|-----------|------|
| GPC7412-U | 10g  |
| GPC7412-W | 25g  |

## 3,5-Dinitrobenzoic acid 99%

|                 |                   |  |  |
|-----------------|-------------------|--|--|
| Cas No: 99-34-3 | Einecs: 202-751-1 |  |  |
|-----------------|-------------------|--|--|



Minimum Assay: 99%  
Molecular Formula: C<sub>7</sub>H<sub>4</sub>N<sub>2</sub>O<sub>6</sub>  
Molecular Weight: 212.12 g/mol  
Melting Point: 204-208°C

| Code       | Pack |
|------------|------|
| GPC4800-2X | 250g |

## Diphenylamine 98%

|                  |                   |        |                    |
|------------------|-------------------|--------|--------------------|
| Cas No: 122-39-4 | Einecs: 204-539-4 | UN3077 | Flash Point: 153°C |
|------------------|-------------------|--------|--------------------|



Minimum Assay: 98%  
Molecular Formula: C<sub>12</sub>H<sub>11</sub>N  
Molecular Weight: 169.23 g/mol  
Boiling Point: 302°C  
Melting Point: 52-55°C  
Density at 20°C (g/cm<sup>3</sup>): 1.16

| Code      | Pack |
|-----------|------|
| GPC5825-X | 100g |

## Di-Potassium Disulphite

|                    |                   |  |  |
|--------------------|-------------------|--|--|
| Cas No: 16731-55-8 | Einecs: 240-795-3 |  |  |
|--------------------|-------------------|--|--|



Molecular Formula: K<sub>2</sub>O<sub>3</sub>S<sub>2</sub>  
Molecular Weight: 222.33 g/mol  
Melting Point: 190°C  
Density at 20°C (g/cm<sup>3</sup>): 1.2  
pH (2% soln 25°C): 3.0-4.5

| Code       | Pack |
|------------|------|
| GPC1028-5X | 500g |

## Di-Sodium Hydrogen Phosphate Anhydrous 98.5% ACS

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7558-79-4 | Einecs: 231-448-7 |  |  |
|-------------------|-------------------|--|--|

CS21 US Food Codex

Minimum Assay: >98.5%  
Molecular Formula: Na<sub>2</sub>HPO<sub>4</sub>  
Molecular Weight: 141.96 g/mol  
Density at 25°C (g/cm<sup>3</sup>): 1.520  
pH (5% soln 25°C): 8.9 - 9.2  
PO<sub>2</sub> Content: 49.7%  
Appearance Form: White Crystalline powder

| Code       | Pack |
|------------|------|
| GPC8034-5X | 500g |
| GPC8034-Y  | 1kg  |

## Distilled Water

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7732-18-5 | Einecs: 231-791-2 |  |  |
|-------------------|-------------------|--|--|

Molecular Formula: H<sub>2</sub>O  
Molecular Weight: 18.02 g/mol  
Boiling Point: 100°C  
Melting Point: 0°C  
Density at 3.98°C (g/cm<sup>3</sup>): 1.00  
Refractive Index: 1.34  
Resistivity: >10 MΩ-cm

| Code      | Pack |
|-----------|------|
| GPC9023-E | 1L   |
| GPC9023-G | 5L   |
| GPC9023-K | 25L  |

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# Chemicals & Reagents

## DPX Mountant Standard Viscosity

UN1993 Flash Point: 29°C



### Contains:

Xylene: <60%  
di-Butyl Phthalate: <10%  
Styrene: <20%

| Code     | Pack  |
|----------|-------|
| RRSP29-B | 100ml |

## Dutch Metal Leaf 140mm x 140mm

One book contains 25 Dutch metal leaves.  
Each leaf is 140mm x 140mm.

| Code      | Pack    |
|-----------|---------|
| GPC8462-1 | 25 Book |

## EDTA Disodium Salt dihydrate 99% USP

Cas No: 6381-92-6 EINECS: 205-358-3 Flash Point: >100°C



Minimum Assay: >99.99.5%  
Molecular Formula:  $C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$   
Molecular Weight: 372.24 g/mol  
Melting Point: 252°C  
pH (5% soln 25°C): 4.0 - 6.0  
Loss on Drying: 8.7- 11.4%

| Code       | Pack |
|------------|------|
| GPC8018-X  | 100g |
| GPC8018-2X | 250g |
| GPC8018-5X | 500g |
| GPC8018-Y  | 1kg  |

## Egg Albumen 80%

Cas No: 9006-59-1 EINECS: 232-692-7

Only for use in Educational Applications  
pH (10% in water): 7-8  
Moisture: <7.9%  
Protein (Nx6.681): >80%  
Total plate count: <500/g  
Coliform: <10/g  
Yeast & mold count: <10/g  
Salmonellae: absent in 25g

| Code       | Pack |
|------------|------|
| GPC5103-2W | 50g  |
| GPC5103-X  | 100g |
| GPC5103-2X | 250g |

## Eosin Y 5% Aqueous

Cas No: 17372-87-1

### Contains:

Eosin Y: <5%

| Code       | Pack  |
|------------|-------|
| RRSP3505-B | 100ml |

## Eosin Y C.I. 45380

Cas No: 17372-87-1 EINECS: 241-409-6



Dye Content: 89%  
Molecular Formula:  $C_{20}H_6Br_4Na_2O_8$   
Molecular Weight: 691.86 g/mol  
Melting Point: >300°C  
Insoluble Matter: 0.08%  
Loss on Drying: 1.9%  
Solubility in Water: Soluble

| Code     | Pack |
|----------|------|
| RRBD92-T | 5g   |
| RRBD92-W | 25g  |

## Eriochrome Black T C.I. 14645

Cas No: 1787-61-7 EINECS: 217-250-3

Dye Content: >60%  
Molecular Formula:  $C_{20}H_{12}N_2NaO_5$   
Molecular Weight: 461.38 g/mol  
Absorption:  $\lambda_{max}$  503 nm  
Strength: 100% +/- 5%  
Shade: within visual tolerances  
Solubility in Water: Soluble (Red Solution)

| Code      | Pack |
|-----------|------|
| RRBD108-U | 10g  |
| RRBD108-W | 25g  |

## Ethyl Acetate 99.7% ACS

Cas No: 141-78-6 EINECS: 205-500-4 UN1173 Flash Point: -4°C



Minimum Assay: >99.7%  
Molecular Formula:  $C_4H_8O_2$   
Molecular Weight: 88.11 g/mol  
Boiling Point: 77°C  
Melting Point: -83°C  
Density at 20°C (g/cm<sup>3</sup>): 0.90  
Refractive Index: 1.3704-1.3744

| Code      | Pack  |
|-----------|-------|
| GPS9015-D | 500ml |
| GPS9015-E | 1L    |
| GPS9015-F | 2.5L  |

## Ethyl Benzoate 99.9% FCC

Cas No: 93-89-0 EINECS: 202-284-3 Flash Point: 93°C

Minimum Assay: >99%  
Molecular Formula:  $C_{11}H_{12}O_2$   
Molecular Weight: 150.18 g/mol  
Boiling Point: 212-214°C  
Melting Point: -34°C  
Density at 25°C (g/cm<sup>3</sup>): 1.045  
Refractive Index: 1.504

| Code        | Pack  |
|-------------|-------|
| GPC242209-B | 100ml |

## Ethylene Glycol 99.8%

Cas No: 107-21-1 EINECS: 203-473-3 UN3082 Flash Point: 111°C



Minimum Assay: >99.8%  
Molecular Formula:  $C_2H_6O_2$   
Molecular Weight: 62.07 g/mol  
Boiling Point: 195-198°C  
Melting Point: -13°C  
Density at 20°C (g/cm<sup>3</sup>): 1.113  
Refractive Index: 1.431

| Code      | Pack  |
|-----------|-------|
| GPS1011-D | 500ml |

# Chemicals & Reagents

## Ethylenediaminetetraacetic acid 98-100.5% ACS

Cas No: 60-00-4 EINECS: 200-449-4 UN3077



Minimum Assay: 99.34%  
Molecular Formula:  $C_{10}H_{16}N_2O_8$   
Molecular Weight: 292.24 g/mol  
Melting Point: 250°C  
Density at 20°C (g/cm<sup>3</sup>): 1.46  
pH (5% soln 25°C): 2.85  
Chelation Value: 340

| Code      | Pack |
|-----------|------|
| GPC9996-X | 100g |

## Fast Green FCF C.I. 42053

Cas No: 2353-45-9 EINECS: 219-091-5



Dye Content: >85%  
Molecular Formula:  $C_{27}H_{34}N_4Na_2O_{10}S_4$   
Molecular Weight: 808.85 g/mol  
Melting Point: 290°C  
Insoluble Matter: <0.20%  
Subsidiary Dyes: <6% (Mass)

| Code      | Pack |
|-----------|------|
| RRBD880-T | 5g   |

## Fehlings Solution I Ph.Eur

UN3082



### Contains:

Copper Sulphate: <7%

| Code       | Pack  |
|------------|-------|
| RRSP5101-D | 500ml |
| RRSP5101-E | 1L    |

## Fehlings Solution II Ph.Eur

UN1824



### Contains:

Potassium Hydroxide: <25%  
Potassium Sodium Tartrate: <35%

| Code       | Pack  |
|------------|-------|
| RRSP5102-D | 500ml |
| RRSP5102-E | 1L    |

## Feulgen Stain (Schiff)

UN1789



### Contains:

Sodium Metabisulphite: <1%  
Hydrochloric Acid: <2%

| Code     | Pack  |
|----------|-------|
| RRSP40-B | 100ml |
| RRSP40-D | 500ml |

## Fluorescein Disodium Salt Hydrate C.I.45350

Cas No: 518-47-8 EINECS: 208-253-0



Molecular Formula:  $C_{20}H_{10}Na_2O_5 \cdot xH_2O$   
Molecular Weight: 376.27 g/mol (anhydrous)  
Melting Point: >300°C  
Wavelength Max: 491nm  
Solubility in Water: Soluble

| Code        | Pack |
|-------------|------|
| RRBD23914-T | 5g   |
| RRBD23914-W | 25g  |
| RRBD23914-X | 100g |

## Formaldehyde 37% ACS

Cas No: 50-00-0 EINECS: 200-001-8 UN2209 Flash Point: 56°C



Minimum Assay: 36.3-36.9%  
Molecular Formula:  $CH_2O$   
Molecular Weight: 30.03 g/mol  
Boiling Point: 97°C  
Melting Point: -15°C  
Density at 20°C (g/cm<sup>3</sup>): 1.016  
Refractive Index: 1.3765  
Methanol: 6.0-8.0%

| Code      | Pack  |
|-----------|-------|
| GPC8044-D | 500ml |
| GPC8044-E | 1L    |
| GPC8044-F | 2.5L  |

## Formic Acid 85% ACS

Cas No: 64-18-6 EINECS: 200-579-1 UN1779 Flash Point: 49°C



Minimum Assay: >85%  
Molecular Formula:  $CH_2O_2$   
Molecular Weight: 46.03 g/mol  
Boiling Point: 100-101°C  
Melting Point: 8.2-8.4°C  
Density at 25°C (g/cm<sup>3</sup>): 1.22  
Refractive Index: 1.370

| Code      | Pack  |
|-----------|-------|
| GPC9002-D | 500ml |

## D (-) Fructose 99.5%

Cas No: 57-48-7 EINECS: 200-333-3

Minimum Assay: 99.5%  
Molecular Formula:  $C_6H_{12}O_6$   
Molecular Weight: 180.16 g/mol  
Melting Point: 119-122°C  
Density at 20°C (g/cm<sup>3</sup>): 1.59  
Refractive Index: 1.370  
pH (10% soln 20°C): 5.0-6.0

| Code      | Pack |
|-----------|------|
| GPC9949-W | 25g  |
| GPC9949-X | 100g |

## D(+) - Galactose

Cas No: 59-23-4 EINECS: 200-416-4

Minimum Assay: >98%  
Molecular Formula:  $C_6H_{12}O_6$   
Molecular Weight: 180.16 g/mol  
Melting Point: 164-168°C  
pH (1M soln 20°C): 5.0-7.0

| Code      | Pack |
|-----------|------|
| GPC1650-W | 25g  |
| GPC1650-X | 100g |

## Gelatine 240 from Bloom Bovine EP

Cas No: 9000-70-8 EINECS: 232-554-6

Particle Size: 630 microns  
Bloom: 240 +/- 10  
pH (1% Solution): 4-6  
Moisture: \*10-14%  
Clarity: max 20 absorbance units

\* Test carried out on raw material

| Code       | Pack |
|------------|------|
| GPC1663-X  | 100g |
| GPC1663-2X | 250g |
| GPC1663-5X | 500g |

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# Chemicals & Reagents

## Gentian Violet BP80 C.I.42555

|                  |                   |        |  |
|------------------|-------------------|--------|--|
| Cas No: 548-62-9 | Einecs: 208-953-6 | UN3077 |  |
|------------------|-------------------|--------|--|



Dye Content: >97.6%  
Molecular Formula:  $C_{23}H_{30}ClN_3$   
Molecular Weight: 407.98 g/mol  
Melting Point: 205°C



| Code       | Pack |
|------------|------|
| RRBD3601-W | 25g  |

## Gibberellic Acid 90%

|                 |                   |  |  |
|-----------------|-------------------|--|--|
| Cas No: 77-06-5 | Einecs: 201-001-0 |  |  |
|-----------------|-------------------|--|--|

Minimum Assay: >90%  
Molecular Formula:  $C_{19}H_{22}O_6$   
Molecular Weight: 346.37 g/mol  
Melting Point: 222°C  
Density at 20°C (g/cm<sup>3</sup>): 1.34



| Code        | Pack |
|-------------|------|
| GPC2925-1GM | 1g   |

## Glass Wool

|                    |  |  |  |
|--------------------|--|--|--|
| Cas No: 65997-19-3 |  |  |  |
|--------------------|--|--|--|

Description: Faint Green Shiny Fibres  
Soluble in HCl: <0.58%  
Iron (Fe): <0.0049%  
Lead: <0.0016%

| Code       | Pack |
|------------|------|
| GPC1371-2X | 250g |
| GPC1371-5X | 500g |

## D (+) Glucose Anhydrous ACS

|                 |                   |  |  |
|-----------------|-------------------|--|--|
| Cas No: 50-99-7 | Einecs: 200-075-1 |  |  |
|-----------------|-------------------|--|--|

Molecular Formula:  $C_6H_{12}O_6$   
Molecular Weight: 180.16 g/mol  
Melting Point: 147-153°C  
Optical Rotation: +53°

| Code       | Pack |
|------------|------|
| GPC9959-5X | 500g |
| GPC9959-Y  | 1kg  |

## Glucose-1-Phosphoric Acid Disodium Salt Tetrahydrate

|                    |                   |  |  |
|--------------------|-------------------|--|--|
| Cas No: 56401-20-8 | Einecs: 260-154-1 |  |  |
|--------------------|-------------------|--|--|

Molecular Formula:  $C_6H_{11}Na_2O_8P \cdot 4H_2O$   
Molecular Weight: 376.16 g/mol  
Melting Point: 138°C

| Code        | Pack |
|-------------|------|
| GPC7849-1GM | 1g   |
| GPC7849-5GM | 5g   |

## L-Glutamic Acid 99-100.5%

|                 |                   |  |  |
|-----------------|-------------------|--|--|
| Cas No: 56-86-0 | Einecs: 200-293-7 |  |  |
|-----------------|-------------------|--|--|

Minimum Assay: 99-100.5%  
Molecular Formula:  $C_5H_9NO_4$   
Molecular Weight: 147.13 g/mol  
Melting Point: 189-192°C  
Transmittance: >98%  
Optical Rotation: +32°

| Code      | Pack |
|-----------|------|
| GPC2719-X | 100g |

## Glycerol 99.5% ACS,EP,FG

|                 |                   |  |  |
|-----------------|-------------------|--|--|
| Cas No: 56-81-5 | Einecs: 200-289-5 |  |  |
|-----------------|-------------------|--|--|

Minimum Assay: >99.5%  
Molecular Formula:  $C_3H_8O_3$   
Molecular Weight: 92.09 g/mol  
Melting Point: 20°C  
Density at 20°C (g/cm<sup>3</sup>): 1.25  
Refractive Index: 1.471-1.474  
Water Content: <0.5%

| Code      | Pack  |
|-----------|-------|
| GPS1005-D | 500ml |
| GPS1005-E | 1L    |
| GPS1005-F | 2.5L  |

## Glycine 98.5-101.5% USP,FG

|                 |                   |  |  |
|-----------------|-------------------|--|--|
| Cas No: 56-40-6 | Einecs: 200-272-2 |  |  |
|-----------------|-------------------|--|--|

Minimum Assay: 98.5-101.5%  
Molecular Formula:  $C_2H_5NO_2$   
Molecular Weight: 75.07 g/mol  
Melting Point: 232-236°C

| Code       | Pack |
|------------|------|
| GPC9889-X  | 100g |
| GPC9889-2X | 250g |

## Grams Iodine

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|

### Contains:

Iodine: <3%  
Potassium Iodide: <6%

| Code     | Pack  |
|----------|-------|
| RRSP59-B | 100ml |
| RRSP59-C | 250ml |

## Graphite Powder

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7782-42-5 | Einecs: 231-955-3 |  |  |
|-------------------|-------------------|--|--|

Minimum Assay: >85%  
Molecular Formula: C  
Molecular Weight: 12.01 g/mol  
Melting Point: 3652-3697°C  
Density at 20°C (g/cm<sup>3</sup>): 2.2

| Code       | Pack |
|------------|------|
| GPC7418-5X | 500g |
| GPC7418-Y  | 1kg  |

## Haematoxylin Delafield

|  |  |        |                   |
|--|--|--------|-------------------|
|  |  | UN1170 | Flash Point: 42°C |
|--|--|--------|-------------------|



### Contains:

Denatured Ethanol: <20%  
Potassium Permanganate: <1%

| Code     | Pack  |
|----------|-------|
| RRSP62-D | 500ml |

# Chemicals & Reagents

## Heptane 99.5% ACS

|                  |                   |        |                   |
|------------------|-------------------|--------|-------------------|
| Cas No: 142-82-5 | Einecs: 205-563-8 | UN1206 | Flash Point: 22°C |
|------------------|-------------------|--------|-------------------|



Minimum Assay: >99.5%  
Molecular Formula:  $C_7H_{16}$   
Molecular Weight: 100.21 g/mol  
Boiling Point: 98°C  
Melting Point: -91°C  
Density at 15°C (g/cm<sup>3</sup>): 0.684  
Refractive Index: 1.387

| Code      | Pack  |
|-----------|-------|
| GPS9041-D | 500ml |
| GPS9041-F | 2.5L  |

## Heptan-1-ol 99%

|                  |                   |  |                   |
|------------------|-------------------|--|-------------------|
| Cas No: 111-70-6 | Einecs: 203-897-9 |  | Flash Point: 76°C |
|------------------|-------------------|--|-------------------|

Minimum Assay: >99%  
Molecular Formula:  $C_7H_{16}O$   
Molecular Weight: 116.20 g/mol  
Boiling Point: 175-176°C  
Melting Point: -34°C  
Density at 20°C (g/cm<sup>3</sup>): 0.820  
Refractive Index: 1.4240

| Code      | Pack  |
|-----------|-------|
| GPS3325-B | 100ml |
| GPS3325-C | 250ml |

## Hexamine 99.0%

|                  |                   |        |                    |
|------------------|-------------------|--------|--------------------|
| Cas No: 100-97-0 | Einecs: 202-905-8 | UN1328 | Flash Point: 250°C |
|------------------|-------------------|--------|--------------------|



Minimum Assay: 99.0%  
Molecular Formula:  $C_6H_{12}N_4$   
Molecular Weight: 140.19 g/mol  
Melting Point: 280°C  
Density at 20°C (g/cm<sup>3</sup>): 1.33  
pH (10% soln 20°C): 7-10

| Code       | Pack |
|------------|------|
| GPC8061-5X | 500g |

## n-Hexane 95% ACS

|                  |                   |        |                    |
|------------------|-------------------|--------|--------------------|
| Cas No: 110-54-3 | Einecs: 203-777-6 | UN1208 | Flash Point: -26°C |
|------------------|-------------------|--------|--------------------|



Minimum Assay: >95%  
Molecular Formula:  $C_6H_{14}$   
Molecular Weight: 86.18 g/mol  
Boiling Point: 69°C  
Melting Point: -95°C  
Density at 25°C (g/cm<sup>3</sup>): 0.659  
Refractive Index: 1.375

| Code      | Pack  |
|-----------|-------|
| GPS1008-B | 100ml |
| GPS1008-D | 500ml |

## Hexane Fraction 65-70

|                  |                   |        |                    |
|------------------|-------------------|--------|--------------------|
| Cas No: 110-54-3 | Einecs: 203-777-6 | UN1208 | Flash Point: -26°C |
|------------------|-------------------|--------|--------------------|



Minimum Assay: >95%  
Molecular Formula:  $C_6H_{14}$   
Molecular Weight: 86.18 g/mol  
Boiling Range: 65-70°C  
Density at 15°C (g/cm<sup>3</sup>): 0.663-0.669  
Appearance: Clear and bright

| Code      | Pack  |
|-----------|-------|
| GPC5435-D | 500ml |

## 1-Hexanol 98%

|                  |                   |        |                   |
|------------------|-------------------|--------|-------------------|
| Cas No: 111-27-3 | Einecs: 203-852-3 | UN2282 | Flash Point: 60°C |
|------------------|-------------------|--------|-------------------|



Minimum Assay: 98%  
Molecular Formula:  $CH_3(CH_2)_5OH$   
Molecular Weight: 102.17 g/mol  
Boiling Point: 156-157°C  
Melting Point: -52°C  
Density at 25°C (g/cm<sup>3</sup>): 0.814  
Refractive Index: 1.418

| Code      | Pack  |
|-----------|-------|
| GPC7532-C | 250ml |
| GPC7532-D | 500ml |

## Hex-1-ene 97%

|                  |                   |        |                    |
|------------------|-------------------|--------|--------------------|
| Cas No: 592-41-6 | Einecs: 209-753-1 | UN2370 | Flash Point: -25°C |
|------------------|-------------------|--------|--------------------|



Minimum Assay: >97%  
Molecular Formula:  $C_6H_{12}$   
Molecular Weight: 84.16 g/mol  
Melting Point: -140°C  
Boiling Point: 62-64°C  
Density at 25°C (g/cm<sup>3</sup>): 0.673  
Refractive Index: 1.388

| Code      | Pack  |
|-----------|-------|
| GPS3345-B | 100ml |

## Hydrochloric Acid 0.1M (0.1 N) Solution

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|

### Contains:

Hydrochloric Acid Solution: 0.1M (0.1N) +/- 1%

Molecular Formula: HCl  
Molecular Weight: 36.46 g/mol

| Code     | Pack |
|----------|------|
| VM1009-F | 2.5L |
| VM1009-G | 5L   |

## Hydrochloric Acid 0.5M (0.5N) Solution

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|

### Contains:

Hydrochloric Acid Solution: 0.5M (0.5N) +/- 1%

Molecular Formula: HCl  
Molecular Weight: 36.46 g/mol

| Code     | Pack |
|----------|------|
| VM5157-F | 2.5L |

## Hydrochloric Acid 1.0M (1.0N) Solution

|  |  |        |  |
|--|--|--------|--|
|  |  | UN1789 |  |
|--|--|--------|--|



### Contains:

Hydrochloric Acid Solution: 1.0M (1.0N) +/- 1%

Molecular Formula: HCl  
Molecular Weight: 36.46 g/mol

| Code     | Pack |
|----------|------|
| VM1012-E | 1L   |
| VM1012-F | 2.5L |
| VM1012-G | 5L   |

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# Chemicals & Reagents

## Hydrochloric Acid 2.0M (2.0N) Solution

|  |  |        |  |
|--|--|--------|--|
|  |  | UN1789 |  |
|--|--|--------|--|



### Contains:

Hydrochloric Acid Solution: 2.0M (2.0N) +/- 1%



Molecular Formula: HCl  
Molecular Weight: 36.46 g/mol

| Code     | Pack |
|----------|------|
| VM1191-E | 1L   |
| VM1191-F | 2.5L |

## Hydrochloric Acid 4.0M (4.0N) Solution

|  |  |        |  |
|--|--|--------|--|
|  |  | UN1789 |  |
|--|--|--------|--|



### Contains:

Hydrochloric Acid Solution: 4.0M (4.0N) +/- 1%



Molecular Formula: HCl  
Molecular Weight: 36.46 g/mol

| Code     | Pack |
|----------|------|
| VM1181-E | 1L   |

## Hydrochloric Acid 5.0M (5.0N) Solution

|  |  |        |  |
|--|--|--------|--|
|  |  | UN1789 |  |
|--|--|--------|--|



### Contains:

Hydrochloric Acid Solution: 5.0M (5.0N) +/- 1%



Molecular Formula: HCl  
Molecular Weight: 36.46 g/mol

| Code     | Pack |
|----------|------|
| VM5161-E | 1L   |
| VM5161-F | 2.5L |

## Hydrochloric Acid 35.0-36.6% ACS,FG

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7647-01-0 | Einecs: 231-595-7 | UN1789 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: 35-36%  
Molecular Formula: HCl  
Molecular Weight: 36.46 g/mol  
Boiling Point: >100°C  
Melting Point: -30°C  
Density at 25°C (g/cm³): 1.2



| Code       | Pack |
|------------|------|
| GPC8006-E  | 1L   |
| GPC8006-F  | 2.5L |
| GPC8006-6E | 6x1L |

## Hydrogen Peroxide 35% (100 vols)

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7722-84-1 | Einecs: 231-765-0 | UN2014 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: 34.5-35.5%  
Molecular Formula: H<sub>2</sub>O<sub>2</sub>  
Molecular Weight: 34.01 g/mol  
Melting Point: -32°C  
Density at 20°C (g/cm³): 1.11  
Litres of O<sub>2</sub> at 0°C/760 mm Hg released by litre of H<sub>2</sub>O<sub>2</sub> at 20°C: 130  
Stability, H<sub>2</sub>O<sub>2</sub> loss after 26h at 96°C (relative max %): 3%  
Appearance: Clear, colourless liquid



| Code       | Pack     |
|------------|----------|
| GPC8043-D  | 500ml    |
| GPC8043-E  | 1L       |
| GPC8043-2E | 2L       |
| GPC8043-4F | 4 x 2.5L |

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## Hydrogen Peroxide 6% (20 Vols) FG

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7722-84-1 | Einecs: 231-765-0 |  |  |
|-------------------|-------------------|--|--|



### Contains:

Hydrogen Peroxide 35% Food Grade: <6%



| Code   | Pack  |
|--------|-------|
| HP6-D  | 500ml |
| HP6-E  | 1L    |
| HP6-2E | 2L    |

## Hydroquinone 99.5%

|                  |                   |        |                    |
|------------------|-------------------|--------|--------------------|
| Cas No: 123-31-9 | Einecs: 204-617-8 | UN3077 | Flash Point: 165°C |
|------------------|-------------------|--------|--------------------|



Minimum Assay: 99.5%  
Molecular Formula: C<sub>6</sub>H<sub>4</sub>(OH)<sub>2</sub>  
Molecular Weight: 110.00 g/mol  
Boiling Point: 285°C  
Melting Point: 171-173°C



| Code      | Pack |
|-----------|------|
| GPC5664-X | 100g |

## Immersion Oil Basic R.I. 1.5185

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|

Appearance: Slight straw colour, clear & bright free of particulates  
Viscosity (At 23°C): 1000-1200 cSt  
Transmission: 400-900nm  
Relative Density (At 23°C): 1.329  
Refractive Index (At 23°C): 1.5182 +/- 0.002  
Store between 4°C - 35°C

| Code        | Pack |
|-------------|------|
| RRSP21-25ML | 25ml |
| RRSP21-A    | 50ml |

## Indigo Carmine ACS/USP C.I. 73015

|                  |                   |  |  |
|------------------|-------------------|--|--|
| Cas No: 860-22-0 | Einecs: 212-728-8 |  |  |
|------------------|-------------------|--|--|



Minimum Assay: >80%  
Molecular Formula: C<sub>16</sub>H<sub>8</sub>N<sub>2</sub>Na<sub>2</sub>O<sub>8</sub>S<sub>2</sub>  
Molecular Weight: 466.35 g/mol  
Loss on drying: 5.0% maximum  
Visual Transition Interval: pH 11.5 (Blue) - pH 14.0 (yellow)

| Code     | Pack |
|----------|------|
| RRBD84-T | 5g   |

## 3-Indoleacetic Acid 98%

|                 |                   |  |  |
|-----------------|-------------------|--|--|
| Cas No: 87-51-4 | Einecs: 201-748-2 |  |  |
|-----------------|-------------------|--|--|



Minimum Assay: 98%  
Molecular Formula: C<sub>10</sub>H<sub>9</sub>NO<sub>2</sub>  
Molecular Weight: 175.18 g/mol  
Melting Point: 165°C-169°C

| Code        | Pack |
|-------------|------|
| GPC8874-1G  | 1g   |
| GPC8874-5G  | 5g   |
| GPC8874-10G | 10g  |

## Industrial Methylated Spirits 70%

|                 |                   |        |                   |
|-----------------|-------------------|--------|-------------------|
| Cas No: 64-17-5 | Einecs: 200-578-6 | UN1170 | Flash Point: 14°C |
|-----------------|-------------------|--------|-------------------|



### Contains:

Industrial Methylated Spirit 99.5%: >70%



| Code      | Pack |
|-----------|------|
| GPS9018-E | 1L   |

# Chemicals & Reagents

## Industrial Methylated Spirits 99.5%

|                 |                   |        |                   |
|-----------------|-------------------|--------|-------------------|
| Cas No: 64-17-5 | Einecs: 200-578-6 | UN1170 | Flash Point: 14°C |
|-----------------|-------------------|--------|-------------------|



Minimum Assay: >99.5%  
Molecular Formula: C<sub>8</sub>H<sub>18</sub>O  
Molecular Weight: 46.07 g/mol  
Boiling Point: 78°C  
Melting Point: -114°C  
Density at 20°C (g/cm³): 0.785  
Refractive Index: 1.361



| Code       | Pack     |
|------------|----------|
| GPS1000-D  | 500ml    |
| GPS1000-E  | 1L       |
| GPS1000-F  | 2.5L     |
| GPS1000-4F | 4 x 2.5L |

## Invertase Concentrate 5000 SU/ml from Saccharomyces cerevisiae

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 9001-57-4 | Einecs: 232-615-7 |  |  |
|-------------------|-------------------|--|--|



Standardised Activity:  
≥ 6200 SU/ml  
≤ 0.02 BDG/g  
Chemical Properties:  
pH: 5.0 - 6.0  
Microbiological Specification:  
Total plate count ≤100 CFU per g

| Code       | Pack |
|------------|------|
| GPS1773-AA | 25ml |

## Iodine 1% Solution in Potassium Iodide

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|



### Contains:

Potassium Iodide: <2%  
Iodine: <1%

| Code       | Pack  |
|------------|-------|
| RRSP8401-D | 500ml |
| RRSP8401-E | 1L    |
| RRSP8401-F | 2.5L  |

## Iodine 99.8% BP98

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7553-56-2 | Einecs: 231-442-4 | UN3495 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: >99.8%  
Molecular Formula: I<sub>2</sub>  
Molecular Weight: 253.81 g/mol  
Melting Point: 113-114°C  
Boiling Point: 184°C  
Density at 20°C (g/cm³): 4.930  
Resistivity: 1.3E15 µΩ·cm



| Code      | Pack |
|-----------|------|
| RRBD82-X  | 100g |
| RRBD82-2X | 250g |
| RRBD82-5X | 500g |

## Iodine Solution 0.05M (0.1N)

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|



### Contains:

Iodine Solution: 0.05M (0.1N) +/- 1%

Molecular Formula: I<sub>2</sub>  
Molecular Weight: 253.81 g/mol

| Code     | Pack |
|----------|------|
| VM6653-F | 2.5L |

## 1-Iodobutane 98.5%

|                  |                   |        |                   |
|------------------|-------------------|--------|-------------------|
| Cas No: 542-69-8 | Einecs: 208-824-4 | UN1993 | Flash Point: 33°C |
|------------------|-------------------|--------|-------------------|



Minimum Assay: >98.5%  
Molecular Formula: C<sub>4</sub>HI  
Molecular Weight: 184.02 g/mol  
Boiling Point: 129-131°C  
Melting Point: -103°C  
Refractive Index: 1.499  
Density at 25°C (g/cm³): 1.616



| Code       | Pack  |
|------------|-------|
| GPS3808-AA | 25ml  |
| GPS3808-C  | 250ml |

## Iron (II) Chloride Tetrahydrate

|                    |                   |        |  |
|--------------------|-------------------|--------|--|
| Cas No: 13478-10-9 | Einecs: 231-843-4 | UN3260 |  |
|--------------------|-------------------|--------|--|



Minimum Assay: 99%  
Molecular Formula: FeCl<sub>2</sub>·4H<sub>2</sub>O  
Molecular Weight: 198.81 g/mol  
Melting Point: 105-110°C  
Density at 20°C (g/cm³): 1.93  
pH (10% soln 20°C): 2.5



| Code       | Pack |
|------------|------|
| GPC7541-X  | 100g |
| GPC7541-2X | 250g |

## Iron (II) Sulphate Heptahydrate (Ferrous Sulphate)

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7782-63-0 | Einecs: 231-753-5 |  |  |
|-------------------|-------------------|--|--|



Minimum Assay: >98.1%  
Molecular Formula: FeSO<sub>4</sub>·7H<sub>2</sub>O  
Molecular Weight: 272.08 g/mol  
Melting Point: 64°C  
Density at 25°C (g/cm³): 1.898  
pH (5% soln 25°C): 3.0-4.0  
Iron (Fe<sup>2+</sup>): 18.8% m/m

| Code       | Pack |
|------------|------|
| GPC8062-2X | 250g |
| GPC8062-5X | 500g |

## Iron (II) Sulphide Fused Sticks

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 1317-37-9 | Einecs: 215-268-6 |  |  |
|-------------------|-------------------|--|--|



Sulphide, Sulphur: >30%  
Molecular Formula: FeS  
Molecular Weight: 87.91g/mol  
Melting Point: 1195°C  
Density at 15°C (g/cm³): 4.84  
Form: Fused Sticks

| Code       | Pack |
|------------|------|
| GPC3853-5X | 500g |

## Iron (III) Chloride 6-Hydrate

|                    |                   |        |  |
|--------------------|-------------------|--------|--|
| Cas No: 10025-77-1 | Einecs: 231-729-4 | UN3260 |  |
|--------------------|-------------------|--------|--|



Assay as Ferric Chloride: 59.9%  
Molecular Formula: Cl<sub>3</sub>Fe·6H<sub>2</sub>O  
Molecular Weight: 270.30 g/mol  
Melting Point: 37°C  
Boiling Point: 280-285°C  
pH (1% soln 25°C): 1.8  
Form: Granular/Lump



| Code       | Pack |
|------------|------|
| GPC8110-2X | 250g |
| GPC8110-5X | 500g |
| GPC8110-Y  | 1kg  |

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# Chemicals & Reagents

## Iron (III) Chloride Anhydrous

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7705-08-0 | Einecs: 231-729-4 | UN1773 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: 98%  
Molecular Formula: FeCl<sub>3</sub>  
Molecular Weight: 162.21 g/mol  
Melting Point: 304°C  
Density at 25°C (g/cm<sup>3</sup>): 2.89  
pH (20% soln 20°C): 1



| Code       | Pack |
|------------|------|
| GPC8500-2X | 250g |

## Iron (III) Nitrate Nonahydrate 98.5%

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7782-61-8 | Einecs: 233-899-5 | UN3260 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: >98.5%  
Molecular formula: Fe(NO<sub>3</sub>)<sub>3</sub>·9H<sub>2</sub>O  
Molecular Weight: 404.00 g/mol  
Melting Point: 47°C  
Density at 20°C (g/cm<sup>3</sup>): 1.68  
pH (10% soln 20°C): 1.3

| Code       | Pack |
|------------|------|
| GPC9424-X  | 100g |
| GPC9424-2X | 250g |
| GPC9424-5X | 500g |

## Iron (III) Oxide 95%

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 1309-37-1 | Einecs: 215-168-2 |  |  |
|-------------------|-------------------|--|--|

Minimum Assay: >97%  
Molecular Formula: Fe<sub>2</sub>O<sub>3</sub>  
Molecular Weight: 459.69 g/mol  
Melting Point: 1565°C  
Colour: Red

| Code       | Pack |
|------------|------|
| GPC6915-5X | 500g |

## Iron (III) Sulphate

|                    |                   |        |  |
|--------------------|-------------------|--------|--|
| Cas No: 15244-10-7 | Einecs: 233-072-9 | UN3260 |  |
|--------------------|-------------------|--------|--|



Minimum Assay: 97%  
Molecular Formula: Fe<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub>·xH<sub>2</sub>O  
Molecular Weight: 399.88 g/mol



| Code       | Pack |
|------------|------|
| GPC1967-5X | 500g |

## Iron Metal Filings Coarse

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7439-89-6 | Einecs: 231-096-4 |  |  |
|-------------------|-------------------|--|--|

Molecular Formula: Fe  
Molecular Weight: 55.85 g/mol  
Boiling Point: 3000°C  
Melting Point: 1500°C  
Resistivity: 9.71 μΩ-cm  
Density at 25°C (g/cm<sup>3</sup>): 7.86

| Code       | Pack |
|------------|------|
| GPC5325-5X | 500g |
| GPC5325-Y  | 1kg  |

## Iron Metal Filings Fine

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7439-89-6 | Einecs: 231-096-4 |  |  |
|-------------------|-------------------|--|--|

Molecular Formula: Fe  
Molecular Weight: 55.85 g/mol  
Boiling Point: 3000°C  
Melting Point: 1500°C  
Resistivity: 9.71 μΩ-cm  
Density at 25°C (g/cm<sup>3</sup>): 7.86

| Code       | Pack |
|------------|------|
| GPC5320-2X | 250g |
| GPC5320-5X | 500g |
| GPC5320-Y  | 1kg  |

## Isoamyl Acetate 95%

|                  |                   |        |                   |
|------------------|-------------------|--------|-------------------|
| Cas No: 123-92-2 | Einecs: 204-662-3 | UN1104 | Flash Point: 25°C |
|------------------|-------------------|--------|-------------------|



Minimum Assay: 95%  
Molecular Formula: C<sub>7</sub>H<sub>14</sub>O<sub>2</sub>  
Molecular Weight: 130.18 g/mol  
Boiling Point: 142°C  
Melting Point: -78°C  
Density at 25°C (g/cm<sup>3</sup>): 0.876  
Refractive Index: 1.4

| Code      | Pack  |
|-----------|-------|
| GPC4807-D | 500ml |

## Isoamyl Alcohol 99%

|                  |                   |        |                   |
|------------------|-------------------|--------|-------------------|
| Cas No: 123-51-3 | Einecs: 204-633-5 | UN1105 | Flash Point: 43°C |
|------------------|-------------------|--------|-------------------|



Minimum Assay: >99.3%  
Molecular Formula: C<sub>5</sub>H<sub>12</sub>O  
Molecular Weight: 88.15 g/mol  
Boiling Point: 130°C  
Melting Point: -117°C  
Density at 25°C (g/cm<sup>3</sup>): 0.811  
Refractive Index: 1.406  
3-Methyl-1-Butanol: <75.3%  
2-Methyl-1-Butanol: <24%



| Code      | Pack  |
|-----------|-------|
| GPS9032-D | 500ml |
| GPS9032-F | 2.5L  |

## IsoButanol 99% ACS

|                 |                   |        |                   |
|-----------------|-------------------|--------|-------------------|
| Cas No: 78-83-1 | Einecs: 201-148-0 | UN1212 | Flash Point: 28°C |
|-----------------|-------------------|--------|-------------------|



Minimum Assay: >99%  
Molecular Formula: C<sub>4</sub>H<sub>10</sub>O  
Molecular Weight: 74.12 g/mol  
Boiling Point: 107-108°C  
Melting Point: -108°C  
Density at 25°C (g/cm<sup>3</sup>): 0.803  
Refractive Index: 1.3960



| Code      | Pack  |
|-----------|-------|
| GPS7825-D | 500ml |

## IsoPentane 96% (GW)

|                 |                   |        |                    |
|-----------------|-------------------|--------|--------------------|
| Cas No: 78-78-4 | Einecs: 201-142-8 | UN1265 | Flash Point: -57°C |
|-----------------|-------------------|--------|--------------------|



Minimum Assay: >96%  
Molecular Formula: C<sub>5</sub>H<sub>12</sub>  
Molecular Weight: 72.15 g/mol  
Boiling Point: 30°C  
Melting Point: -160°C  
Density at 25°C (g/cm<sup>3</sup>): 0.62  
Refractive Index: 1.354



| Code      | Pack  |
|-----------|-------|
| GWN6298-C | 250ml |

# Chemicals & Reagents

## Isopropyl Alcohol 99.9% ACS

|                 |                   |        |                   |
|-----------------|-------------------|--------|-------------------|
| Cas No: 67-63-0 | Einecs: 200-661-7 | UN1219 | Flash Point: 12°C |
|-----------------|-------------------|--------|-------------------|



Minimum Assay: >99.9%  
Molecular Formula: C<sub>3</sub>H<sub>8</sub>O  
Molecular Weight: 60.1 g/mol  
Boiling Point: 82.4°C  
Melting Point: -89.5°C  
Density at 25°C (g/cm<sup>3</sup>): 0.785  
Refractive Index: 1.377



| Code       | Pack     |
|------------|----------|
| GPS1007-D  | 500ml    |
| GPS1007-E  | 1L       |
| GPS1007-F  | 2.5L     |
| GPS1007-4F | 4 x 2.5L |

## Janus Green 0.1% Solution

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|

**Contains:**

Janus B: 0.1%

| Code       | Pack  |
|------------|-------|
| RRSP9656-B | 100ml |

## Janus Green B C.I. 11050

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 2869-83-2 | Einecs: 220-695-6 |  |  |
|-------------------|-------------------|--|--|

Molecular Formula: C<sub>30</sub>H<sub>31</sub>ClN<sub>6</sub>  
Molecular Weight: 511.06 g/mol  
Absorption Wavelength (E1% in 1cm cell, water): 655-662nm  
Absorptivity (E1% in 1cm cell, IMS/Water 50:50): >600  
Loss on drying: <5%

| Code        | Pack |
|-------------|------|
| RRBD25598-T | 5g   |

## Kinetin 99% (6-Furfurylaminopurine)

|                  |                   |  |  |
|------------------|-------------------|--|--|
| Cas No: 525-79-1 | Einecs: 208-382-2 |  |  |
|------------------|-------------------|--|--|

Minimum Assay: 99%  
Molecular Formula: C<sub>10</sub>H<sub>8</sub>N<sub>4</sub>O  
Molecular Weight: 215.21 g/mol  
Melting Point: 264-270°C

| Code        | Pack |
|-------------|------|
| GPC8876-1GM | 1g   |

## Lactic Acid 80% ACS,FCC

|                 |                   |  |                    |
|-----------------|-------------------|--|--------------------|
| Cas No: 79-33-4 | Einecs: 201-196-2 |  | Flash Point: 110°C |
|-----------------|-------------------|--|--------------------|



Minimum Assay: >80%  
Molecular Formula: C<sub>3</sub>H<sub>6</sub>O<sub>3</sub>  
Molecular Weight: 90.08 g/mol  
Melting Point: 18°C  
Boiling Point: 122°C  
Stereochemical Purity: D:L ~40:60  
Colour: Clear-pale yellow

| Code      | Pack  |
|-----------|-------|
| GPC9022-C | 250ml |
| GPC9022-D | 500ml |

## Lactose Monohydrate USP,EP

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 5989-81-1 | Einecs: 200-559-2 |  |  |
|-------------------|-------------------|--|--|

Molecular Formula: C<sub>12</sub>H<sub>22</sub>O<sub>11</sub>·H<sub>2</sub>O  
Molecular Weight: 360.31 g/mol  
Melting Point: 207-211°C  
Density (g/cm<sup>3</sup>): 1.525

| Code       | Pack |
|------------|------|
| GPC2266-X  | 100g |
| GPC2266-5X | 500g |

## Lead (II) Acetate Trihydrate

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 6080-56-4 | Einecs: 206-104-4 | UN1616 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: >99%  
Molecular Formula: Pb(O<sub>2</sub>CCH<sub>3</sub>)<sub>2</sub>·3H<sub>2</sub>O  
Molecular Weight: 379.33 g/mol  
Melting Point: 75°C  
Density at 20°C (g/cm<sup>3</sup>): 3.3  
pH (5% soln 20°C): 5.5-6.5



| Code       | Pack |
|------------|------|
| GPC2212-5X | 500g |

## Lead (II) Nitrate 99% ACS

|                    |                   |        |  |
|--------------------|-------------------|--------|--|
| Cas No: 10099-74-8 | Einecs: 233-245-9 | UN1469 |  |
|--------------------|-------------------|--------|--|



Minimum Assay: >99%  
Molecular Formula: Pb(NO<sub>3</sub>)<sub>2</sub>  
Molecular Weight: 331.20 g/mol  
Melting Point: 470°C  
Density at 20°C (g/cm<sup>3</sup>): 4.49  
pH (5% soln 20°C): 3-4  
Corresponds to BS 5936:1961



| Code       | Pack |
|------------|------|
| GPC8414-2X | 250g |
| GPC8414-5X | 500g |

## Lead (II,IV) Oxide (Red Lead)

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 1314-41-6 | Einecs: 215-235-6 | UN1479 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: >96%  
Molecular Formula: Pb<sub>3</sub>O<sub>4</sub>  
Molecular Weight: 685.60 g/mol



| Code       | Pack |
|------------|------|
| GPC5461-5X | 500g |

## Lead (IV) Oxide 97%

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 1309-60-0 | Einecs: 215-174-5 | UN1872 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: >97%  
Molecular Formula: PbO<sub>2</sub>  
Molecular Weight: 239.20 g/mol



| Code       | Pack |
|------------|------|
| GPC7789-X  | 100g |
| GPC7789-2X | 250g |

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# Chemicals & Reagents

## Lead (II) Sulphate 98%

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7446-14-2 | Einecs: 231-198-9 | UN3077 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: >98%  
Molecular Formula:  $PbSO_4$   
Molecular Weight: 303.26 g/mol  
Melting Point: 1170°C  
Density at 25°C (g/cm<sup>3</sup>): 6.2

| Code        | Pack |
|-------------|------|
| GPC307734-X | 100g |

## Lead Metal Foil 0.50mm

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7439-92-1 | Einecs: 231-100-4 |  |  |
|-------------------|-------------------|--|--|



Molecular Formula: Pb  
Molecular Weight: 207.20 g/mol  
Boiling Point: 1740°C  
Melting Point: 327.4°C  
Resistivity: 20.65 μΩ-cm  
Thickness: 0.5mm

| Code       | Pack |
|------------|------|
| GPC6460-5X | 500g |

## Lead Metal Granular 99.5%

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7439-92-1 | Einecs: 231-100-4 | UN3077 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: >99.5%  
Molecular Formula: Pb  
Molecular Weight: 207.20 g/mol  
Boiling Point: 1740°C  
Melting Point: 327.4°C  
Solubility in water (% weight): Insoluble in water

| Code       | Pack |
|------------|------|
| GPC5524-2X | 250g |
| GPC5524-5X | 500g |

## Leishman Stain

|  |  |        |                   |
|--|--|--------|-------------------|
|  |  | UN1230 | Flash Point: 12°C |
|--|--|--------|-------------------|



### Contains:

Leishman Stain Powder: <1%  
Methanol: >99%

| Code     | Pack  |
|----------|-------|
| RRSP78-B | 100ml |

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## Leishman Stain Powder

|                    |                   |  |  |
|--------------------|-------------------|--|--|
| Cas No: 12627-53-1 | Einecs: 235-732-1 |  |  |
|--------------------|-------------------|--|--|

Molecular Formula:  $C_{24}H_{16}N_2O_6$   
Molecular Weight: 428.39 g/mol  
Maximum Absorption  $\lambda_{max}$  in Methanol: 640-645nm  
Maximum Absorption  $\lambda_{min}$  in Methanol: 522-525nm  
Absorptivity (A1%/1cm in Methanol): >900  
Absorptivity (A1%/1cm in Methanol): >650  
Loss on Drying: <5%

| Code     | Pack |
|----------|------|
| RRBD38-T | 5g   |

## L-Leucine 98.5-101.5%

|                 |                   |  |  |
|-----------------|-------------------|--|--|
| Cas No: 61-90-5 | Einecs: 200-522-0 |  |  |
|-----------------|-------------------|--|--|

Minimum Assay: 98.5-101.5%  
Molecular Formula:  $C_6H_{13}NO_2$   
Molecular Weight: 131.17 g/mol  
Melting Point: >300°C  
Density at 18°C (g/cm<sup>3</sup>): 1.293

| Code      | Pack |
|-----------|------|
| GPC2720-W | 25g  |
| GPC2720-X | 100g |

## Limewater

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 1305-62-0 | Einecs: 200-018-0 |  |  |
|-------------------|-------------------|--|--|



### Contains:

Calcium Hydroxide: <3%  
(Saturated Solution)

| Code       | Pack |
|------------|------|
| RRSP4457-F | 2.5L |

## D-Limonene 96%

|                   |                   |        |                   |
|-------------------|-------------------|--------|-------------------|
| Cas No: 5989-27-5 | Einecs: 227-813-5 | UN2052 | Flash Point: 43°C |
|-------------------|-------------------|--------|-------------------|



Minimum Assay: 96%  
Molecular Formula:  $C_{10}H_{16}$   
Molecular Weight: 136.24 g/mol  
Boiling Point: 170-180°C  
Density at 20°C (g/cm<sup>3</sup>): 0.842  
Refractive Index: 1.470-1.475  
Water: <0.5%  
Odour: Orange/Citrus Fruit

| Code      | Pack  |
|-----------|-------|
| GPS8889-D | 500ml |

## Lipase from Porcine Pancreas

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 9001-62-1 | Einecs: 232-619-9 |  |  |
|-------------------|-------------------|--|--|

Units/mg protein: 30-90 (Triacetin)  
Units/mg Pretien: 100-500 (Olive Oil)  
Protein by biuret: >20%  
Typical Working Concentration: 1%  
Optimum Working pH: 5.5-8.5  
Working Temperature Range: 20-50°C  
Storage Temp: 2-8°C

| Code     | Pack |
|----------|------|
| A01831-T | 5g   |
| A01831-U | 10g  |

# Chemicals & Reagents

## Lithium Carbonate 99%

|                  |                   |  |  |
|------------------|-------------------|--|--|
| Cas No: 554-13-2 | Einecs: 209-062-5 |  |  |
|------------------|-------------------|--|--|



Minimum Assay: >99%  
Molecular Formula:  $Li_2CO_3$   
Molecular Weight: 73.90 g/mol  
Boiling Point: 1310°C  
Melting Point: 723°C  
Density at 20°C (g/cm<sup>3</sup>): 2.1  
pH (0.5% soln 20°C): 10-11

| Code      | Pack |
|-----------|------|
| GPC9398-W | 25g  |
| GPC9398-X | 100g |

## Lithium Chloride 99% ACS

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7447-41-8 | Einecs: 231-212-3 |  |  |
|-------------------|-------------------|--|--|



Minimum Assay: >99.0%  
Molecular Formula: LiCl  
Molecular Weight: 42.39 g/mol  
Boiling Point: 1325-1360°C  
Melting Point: 605°C  
Density at 20°C (g/cm<sup>3</sup>): 2.07  
pH (5% soln 20°C): 6

| Code       | Pack |
|------------|------|
| GPC6645-2W | 50g  |
| GPC6645-X  | 100g |

## Lithium Hydroxide Monohydrate 98%

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 1310-66-3 | Einecs: 215-183-4 | UN2680 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: <99%  
Molecular Formula:  $LiOH \cdot H_2O$   
Molecular Weight: 41.95 g/mol  
Density at 20°C (g/cm<sup>3</sup>): 1.510

| Code      | Pack |
|-----------|------|
| GPC1899-X | 100g |

## Litmus 1% Indicator Solution

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|

### Contains:

Litmus Powder: <1%

| Code      | Pack  |
|-----------|-------|
| RRSP253-B | 100ml |
| RRSP253-D | 500ml |
| RRSP253-E | 1L    |

## Litmus Indicator pH 5-8

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 1393-92-6 | Einecs: 215-739-6 |  |  |
|-------------------|-------------------|--|--|

Solubility in Water: Slightly Soluble  
Solubility in Ethanol: Slightly Soluble  
Transition Range pH 5-8: Red-Blue

| Code         | Pack |
|--------------|------|
| RRBD25278-W  | 25g  |
| RRBD25278-2W | 50g  |

## Lugols Iodine Solution (for Microscopy)

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|



### Contains:

Potassium Iodide: <2%  
Iodine: <1%

| Code     | Pack  |
|----------|-------|
| RRSP84-B | 100ml |
| RRSP84-D | 500ml |
| RRSP84-E | 1L    |
| RRSP84-F | 2.5L  |

## Magnesium Acetate Tetrahydrate

|                    |                   |  |  |
|--------------------|-------------------|--|--|
| Cas No: 16674-78-5 | Einecs: 205-554-9 |  |  |
|--------------------|-------------------|--|--|

Minimum Assay: 98%  
Molecular Formula:  $(CH_3COO)_2Mg \cdot 4H_2O$   
Molecular Weight: 214.45 g/mol  
Melting Point: 80°C  
Density at 20°C (g/cm<sup>3</sup>): 1.45  
pH (5% soln 20°C): 6.1

| Code       | Pack |
|------------|------|
| GPC5236-5X | 500g |

## Magnesium Chloride Hexahydrate 98.0-101% Ph.Eur

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7791-18-6 | Einecs: 232-094-6 |  |  |
|-------------------|-------------------|--|--|

Minimum Assay: >98.0-101.0%  
As  $MgCl_2$ : >46.5%  
Molecular Formula:  $Cl_2Mg \cdot 6H_2O$   
Molecular Weight: 203.3 g/mol  
Melting Point: 116-118°C  
Density at 20°C (g/cm<sup>3</sup>): 1.57  
Water: 51.0-55.0% (Water of crystallisation)

| Code       | Pack |
|------------|------|
| GPC8104-5X | 500g |

## Magnesium Hydroxide 99%

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 1309-42-8 | Einecs: 215-170-3 |  |  |
|-------------------|-------------------|--|--|

Minimum Assay: 99%  
Molecular Formula:  $Mg(OH)_2$   
Molecular Weight: 58.32 g/mol  
Melting Point: 350°C

| Code       | Pack |
|------------|------|
| GPC1022-X  | 100g |
| GPC1022-2X | 250g |

## Magnesium Nitrate Hexahydrate

|                    |                   |  |  |
|--------------------|-------------------|--|--|
| Cas No: 13446-18-9 | Einecs: 233-826-7 |  |  |
|--------------------|-------------------|--|--|



Minimum Assay: 98%  
Molecular Formula:  $Mg(NO_3)_2 \cdot 6H_2O$   
Molecular Weight: 256.41 g/mol  
Melting Point: 89°C  
Density at 20°C (g/cm<sup>3</sup>): 1.46  
pH (5% soln 25°C): 5.0-7.0

| Code       | Pack |
|------------|------|
| GPC9512-2X | 250g |
| GPC9512-5X | 500g |

## Magnesium Oxide 96% Heavy

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 1309-48-4 | Einecs: 215-171-9 |  |  |
|-------------------|-------------------|--|--|

Minimum Assay: >96%  
Molecular Formula: MgO  
Molecular Formula: 40.30 g/mol  
Boiling Point: 3600°C  
Melting Point: 2852°C  
Density at 25°C (g/cm<sup>3</sup>): 3.58  
Refractive Index: 1.736

| Code       | Pack |
|------------|------|
| GPC5193-2X | 250g |

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# Chemicals & Reagents

| Magnesium Oxide 96% Light |                   |  |  |
|---------------------------|-------------------|--|--|
| Cas No: 1309-48-4         | Einecs: 215-171-9 |  |  |

|                                                                                                                                                                                              |  |            |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------|------|
| Minimum Assay: >96%<br>Molecular Formula: MgO<br>Molecula Formula: 40.30 g/mol<br>Boiling Point: 3600°C<br>Melting Point: 2852°C<br>Density at 25°C (g/cm³): 3.58<br>Refractive Index: 1.736 |  | Code       | Pack |
|                                                                                                                                                                                              |  | GPC5491-2X | 250g |
|                                                                                                                                                                                              |  | GPC5491-5X | 500g |

| Magnesium Powder  |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7439-95-4 | Einecs: 231-104-6 | UN1418 |  |

|                                                                                  |                                                                                                                                                                 |  |            |      |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------|------|
|  | Minimum Assay: 99.5%<br>Molecular Formula: Mg<br>Molecular Weight: 24.31g/mol<br>Boiling Point: 1090°C<br>Melting Point: 648°C<br>Density at 20°C (g/cm³): 1.74 |  | Code       | Pack |
|                                                                                  |                                                                                                                                                                 |  | GPC6698-X  | 100g |
|                                                                                  |                                                                                                                                                                 |  | GPC6698-2X | 250g |
|                                                                                  |                                                                                                                                                                 |  | GPC6698-5X | 500g |

| Magnesium Ribbon 99.8% |                   |        |  |
|------------------------|-------------------|--------|--|
| Cas No: 7439-95-4      | Einecs: 231-104-6 | UN1869 |  |

|                                                                                   |                                                                                                                                                                                       |  |           |      |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------|------|
|  | Minimum Assay: >99.8%<br>Width: 3.3mm Nominal<br>Thickness: 0.22 Nominal<br>Boiling Point: 1090°C<br>Melting Point: 648°C<br>Density at 25°C (g/cm³): 1.74<br>Resistivity: 4.46 µΩ-cm |  | Code      | Pack |
|                                                                                   |                                                                                                                                                                                       |  | GPC1444-W | 25g  |

| Magnesium Sulphate Dried |                   |  |  |
|--------------------------|-------------------|--|--|
| Cas No: 7487-88-9        | Einecs: 231-298-2 |  |  |

|                                                                                                                        |  |            |      |
|------------------------------------------------------------------------------------------------------------------------|--|------------|------|
| Minimum Assay (MgSO₄): 62-70%<br>Molecular Formula : MgSO₄<br>Molecular Weight : 120.37 g/mol<br>Melting Point: 1124°C |  | Code       | Pack |
|                                                                                                                        |  | GPC5194-5X | 500g |

| Magnesium Sulphate Heptahydrate 99.5% ACS,FCC |                   |  |  |
|-----------------------------------------------|-------------------|--|--|
| Cas No: 10034-99-8                            | Einecs: 231-298-2 |  |  |

|                                                                                                                                                |  |           |      |
|------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------|------|
| Minimum Assay: >99.5%<br>Molecular Formula: MgSO₄·7H₂O<br>Molecular Weight: 246.47 g/mol<br>Melting Point: 170-171°C<br>Density (g/cm³): 1.678 |  | Code      | Pack |
|                                                                                                                                                |  | GPC8115-Y | 1kg  |

| Magnesium Turnings 99% |                   |        |  |
|------------------------|-------------------|--------|--|
| Cas No: 7439-95-4      | Einecs: 231-104-6 | UN1869 |  |

|                                                                                   |                                                                                                                                                               |  |            |      |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------|------|
|  | Minimum Assay: 99%<br>Molecular Formula: Mg<br>Molecular Weight: 24.31g/mol<br>Boiling Point: 1107°C<br>Melting Point: 651°C<br>Density at 20°C (g/cm³): 1.75 |  | Code       | Pack |
|                                                                                   |                                                                                                                                                               |  | GPC9222-X  | 100g |
|                                                                                   |                                                                                                                                                               |  | GPC9222-2X | 250g |
|                                                                                   |                                                                                                                                                               |  | GPC9222-5X | 500g |

| Malachite Green Oxalate Crystals C.I. 42000 |                   |        |  |
|---------------------------------------------|-------------------|--------|--|
| Cas No: 2437-29-8                           | Einecs: 219-441-7 | UN2811 |  |

|                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                             |  |          |      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------|------|
|   |                                                                                                                                                                                                                                                                                                                             |  |          |      |
|                                                                                    | Molecular Formula: C₂₂H₁₄N₄O₁₂<br>Molecular Weight: 927.02 g/mol<br>Melting Point: 159°C<br>Wavelength of max. Absorption, λ <sub>max</sub> (in 50:50 IMS:Water): 623nm<br>Absorption Ratio (A λ <sub>max</sub> -15nm/A λ <sub>max</sub> +15nm): 1.01<br>Specific Absorption (A 1% in 10nm cell) at λ <sub>max</sub> : 1814 |  | Code     | Pack |
|                                                                                    |                                                                                                                                                                                                                                                                                                                             |  | RRBD39-T | 5g   |

| Maltose Monohydrate 90% |                   |  |  |
|-------------------------|-------------------|--|--|
| Cas No: 6363-53-7       | Einecs: 200-716-5 |  |  |

|                                                                                                                                                                                                                                                                              |  |           |      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------|------|
| Minimum Assay: >85%<br>Molecular Formula: C₁₂H₂₂O₁₁·H₂O<br>Molecular Weight: 360.32 g/mol<br>Melting Point: 120°C<br>Density at 20°C (g/cm³): 1.518<br>Colour Phase (30% sol): 4.3%<br>Turbidity (30% sol): <0.1<br>Viable Counts: <300cfu/g<br>Coliform Organisms: Negative |  | Code      | Pack |
|                                                                                                                                                                                                                                                                              |  | GPC1225-W | 25g  |
|                                                                                                                                                                                                                                                                              |  | GPC1225-X | 100g |

| Manganese (II) Chloride Tetrahydrate 98% |                   |        |  |
|------------------------------------------|-------------------|--------|--|
| Cas No: 13446-34-9                       | Einecs: 231-869-6 | UN3077 |  |

|                                                                                     |                                                                                                                                                                                                                                   |  |            |      |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------|------|
|  | Minimum Assay: >98%<br>Molecular Formula: Cl₂Mn·4H₂O<br>Molecular Weight: 197.90 g/mol<br>Melting Point: 58°C<br>Density at 20°C (g/cm³): 2.01<br>pH (5% soln 25°C): 3.5-6.0<br>Appearance Form: crystalline<br>Colour: light red |  | Code       | Pack |
|  |                                                                                                                                                                                                                                   |  | GPC7200-2X | 250g |

| Manganese (IV) Oxide 75% |                   |  |  |
|--------------------------|-------------------|--|--|
| Cas No: 1313-13-9        | Einecs: 215-202-6 |  |  |

|                                                                                                                                                                         |                                                                                                                                          |  |            |      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--|------------|------|
|   | Minimum Assay: >75%<br>Molecular Formula: MnO₂<br>Molecular Weight: 86.94 g/mol<br>Melting Point: 535°C<br>Density at 21°C (g/cm³): 5.21 |  | Code       | Pack |
|                                                                                                                                                                         |                                                                                                                                          |  | GPC9303-X  | 100g |
|                                                                                                                                                                         |                                                                                                                                          |  | GPC9303-2X | 250g |
|                                                                                                                                                                         |                                                                                                                                          |  | GPC9303-5X | 500g |

# Chemicals & Reagents

| Manganese (Metal) Electrolytic |                   |        |  |
|--------------------------------|-------------------|--------|--|
| Cas No: 7439-96-5              | Einecs: 231-105-1 | UN3208 |  |

|                                                                                     |                                                                                                                                                                                            |  |           |      |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------|------|
|  | Minimum Assay: 99.9%<br>Molecular Formula: Mn<br>Molecular Weight: 54.93 g/mol<br>Boiling Point: 2095°C<br>Melting Point: 1246°C<br>Density at 25°C (g/cm³): 7.3<br>Resistivity: 185 µΩ-cm |  | Code      | Pack |
|                                                                                     |                                                                                                                                                                                            |  | GPC5246-X | 100g |

| D-Mannitol 96.0-102.0% USP,EP |                   |  |  |
|-------------------------------|-------------------|--|--|
| Cas No: 69-65-8               | Einecs: 200-711-8 |  |  |

|                                                                                                                                                                                                                                |  |            |      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------|------|
| Minimum Assay: 96.0-102.0%<br>Molecular Formula: C₆H₁₄O₆<br>Molecular Weight: 182.17 g/mol<br>Boiling Point: 290-295°C<br>Melting Point: 167-169°C<br>Specific Rotation: +137 to +145<br>Specific Optical Rotation: +23 to +25 |  | Code       | Pack |
|                                                                                                                                                                                                                                |  | GPC1494-X  | 100g |
|                                                                                                                                                                                                                                |  | GPC1494-5X | 500g |

| Marble Chips 2-4mm |  |  |  |
|--------------------|--|--|--|
| Cas No: 13397-26-7 |  |  |  |

|                                                                                                                   |  |           |      |
|-------------------------------------------------------------------------------------------------------------------|--|-----------|------|
| Molecular Formula: CaCO₃<br>Molecular Weight: 100.09 g/mol<br>Synonyms: Calcium Carbonate Ore<br>Chip Size: 2-4mm |  | Code      | Pack |
|                                                                                                                   |  | MC4875-Y  | 1kg  |
|                                                                                                                   |  | MC4875-3Y | 3kg  |

| Marble Chips 6-9mm |  |  |  |
|--------------------|--|--|--|
| Cas No: 13397-26-7 |  |  |  |

|                                                                                                                   |  |           |      |
|-------------------------------------------------------------------------------------------------------------------|--|-----------|------|
| Molecular Formula: CaCO₃<br>Molecular Weight: 100.09 g/mol<br>Synonyms: Calcium Carbonate Ore<br>Chip Size: 6-9mm |  | Code      | Pack |
|                                                                                                                   |  | MC4879-Y  | 1kg  |
|                                                                                                                   |  | MC4879-3Y | 3kg  |

| Marble Chips 9-12mm |  |  |  |
|---------------------|--|--|--|
| Cas No: 13397-26-7  |  |  |  |

|                                                                                                                    |  |           |      |
|--------------------------------------------------------------------------------------------------------------------|--|-----------|------|
| Molecular Formula: CaCO₃<br>Molecular Weight: 100.09 g/mol<br>Synonyms: Calcium Carbonate Ore<br>Chip Size: 9-12mm |  | Code      | Pack |
|                                                                                                                    |  | MC3392-Y  | 1kg  |
|                                                                                                                    |  | MC3392-3Y | 3kg  |

| Mercuric Oxide Red GPC |                   |        |  |
|------------------------|-------------------|--------|--|
| Cas No: 21908-53-2     | Einecs: 244-654-7 | UN1641 |  |

|                                                                                                                                                                                                                                                             |                                                                                                                                             |  |            |      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|--|------------|------|
|    | Molecular Formula: HgO<br>Molecular Weight: 216.59 g/mol<br>Melting Point: 500°C<br>Density at 20°C (g/cm³): 11.1<br>pH (5% soln 20°C): 6-7 |  | Code       | Pack |
|                                                                                                                                                                                                                                                             |                                                                                                                                             |  | GPC8009-2W | 50g  |

| Mercury (II) Chloride 99.5% ACS |                   |        |  |
|---------------------------------|-------------------|--------|--|
| Cas No: 7487-94-7               | Einecs: 231-299-8 | UN1624 |  |

|                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                             |  |            |      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------|------|
|     | Minimum Assay: >99.5%<br>Chemical Formula: HgCl₂<br>Molecular Weight: 271.5 g/mol<br>Boiling Point: 302°C<br>Melting Point: 280.7°C<br>Density at 20°C (g/cm³): 5.44<br>pH (1.5% soln): 3.2 |  | Code       | Pack |
|                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                             |  | GPC6489-2W | 50g  |
|                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                             |  | GPC6489-X  | 100g |

| Methanol 99.85% ACS |                   |        |                   |
|---------------------|-------------------|--------|-------------------|
| Cas No: 67-56-1     | Einecs: 200-659-6 | UN1230 | Flash Point: 11°C |

|                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                     |  |           |       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------|-------|
|    | Minimum Assay: 99.85%<br>Molecular Formula: CH₃OH<br>Molecular Weight: 32.04 g/mol<br>Boiling Point: 64.96°C<br>Melting Point: -97.8°C<br>Density at 25°C (g/cm³): 0.791<br>Refractive Index: 1.329 |  | Code      | Pack  |
|                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                     |  | GPS1004-D | 500ml |
|                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                     |  | GPS1004-E | 1L    |
|                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                     |  | GPS1004-F | 2.5L  |
|                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                     |  | GPS1004-G | 5L    |

| Methyl Acetate 99% |                   |        |                    |
|--------------------|-------------------|--------|--------------------|
| Cas No: 79-20-9    | Einecs: 201-185-2 | UN1231 | Flash Point: -13°C |

|                                                                                                                                                                             |                                                                                                                                                                                                    |  |           |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------|-------|
|   | Minimum Assay: 99%<br>Molecular Formula: CH₃COOCH₃<br>Molecula Formula: 74.08 g/mol<br>Melting Point: -98°C<br>Boiling Point: 57-58°C<br>Density at 25°C (g/cm³): 0.934<br>Refractive Index: 1.361 |  | Code      | Pack  |
|                                                                                                                                                                             |                                                                                                                                                                                                    |  | GPS9044-D | 500ml |

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# Chemicals & Reagents

## Methyl Benzoate 99%

|                 |                   |  |                   |
|-----------------|-------------------|--|-------------------|
| Cas No: 93-58-3 | Einecs: 202-259-7 |  | Flash Point: 83°C |
|-----------------|-------------------|--|-------------------|



Minimum Assay: >99.0%  
Molecular Formula:  $C_6H_5COOCH_3$   
Molecular Weight: 136.15 g/mol  
Boiling Point: 198-199°C  
Melting Point: -12°C  
Density at 20°C (g/cm<sup>3</sup>): 1.09  
Refractive Index: 1.516

| Code       | Pack  |
|------------|-------|
| GPC29908-B | 100ml |
| GPC29908-C | 250ml |
| GPC29908-D | 500ml |

## Methyl Blue (Cotton Blue) C.I. 42780

|                    |                   |  |  |
|--------------------|-------------------|--|--|
| Cas No: 28983-56-4 | Einecs: 249-352-9 |  |  |
|--------------------|-------------------|--|--|



Minimum Assay: 96%  
Molecular Formula:  $C_{37}H_{37}N_3Na_2O_{15}S_3$   
Molecular Weight: 799.80 g/mol  
Melting Point: 137°C  
Absorption max: 600 nm  
Visual transition: pH 10.0 (blue) to pH 13.0 (orange)

| Code     | Pack |
|----------|------|
| RRBD63-W | 25g  |

## Methyl Ethyl Ketone 99.7% ACS

|                 |                   |        |                   |
|-----------------|-------------------|--------|-------------------|
| Cas No: 78-93-3 | Einecs: 201-159-0 | UN1193 | Flash Point: -3°C |
|-----------------|-------------------|--------|-------------------|



Minimum Assay: >99.5%  
Molecular Formula:  $C_4H_{10}O$   
Molecular Weight: 72.11 g/mol  
Boiling Point: 80°C  
Melting Point: -87°C  
Density at 25°C (g/cm<sup>3</sup>): 0.805  
Refractive Index: 1.379



| Code      | Pack  |
|-----------|-------|
| GPS8969-D | 500ml |
| GPS8969-E | 1L    |
| GPS8969-F | 2.5L  |

## Methyl Methacrylate 99% Stabilised

|                 |                   |        |                  |
|-----------------|-------------------|--------|------------------|
| Cas No: 80-62-6 | Einecs: 201-297-1 | UN1247 | Flash Point: 9°C |
|-----------------|-------------------|--------|------------------|



Minimum Assay: >99%  
Molecular Formula:  $C_5H_8O_2$   
Molecular Weight: 100.12 g/mol  
Melting Point: -48°C  
Boiling Point: 100-101°C  
Density at 20°C (g/cm<sup>3</sup>): 0.94  
Refractive Index: 1.414



| Code      | Pack  |
|-----------|-------|
| GPC9434-C | 250ml |
| GPC9434-D | 500ml |

## Methyl Orange 0.04% Indicator Solution

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|

### Contains:

Methyl Orange: 0.04%

| Code       | Pack  |
|------------|-------|
| RRSP1561-B | 100ml |
| RRSP1561-D | 500ml |

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## Methyl Orange C.I.13025

|                  |                   |        |  |
|------------------|-------------------|--------|--|
| Cas No: 547-58-0 | Einecs: 208-925-3 | UN3143 |  |
|------------------|-------------------|--------|--|



Minimum Assay: 95%  
Molecular Formula:  $C_{14}H_{14}N_2NaO_3S$   
Molecular Weight: 327.34 g/mol  
Melting Point: >300°C  
Absorptivity (pH 3.0) 501-504nm: 1050-1150  
Absorptivity (pH 4.4) 467-471nm: 750-850

| Code        | Pack |
|-------------|------|
| RRBD15464-T | 5g   |
| RRBD15464-W | 25g  |

## Methyl Orange Xylene Cyanol

|  |  |        |  |
|--|--|--------|--|
|  |  | UN1170 |  |
|--|--|--------|--|



### Contains:

Methyl Orange: <1%  
Xylene Cyanol: <1%  
Ethanol: <50%  
Water: <50%

| Code      | Pack  |
|-----------|-------|
| GPC7856-B | 100ml |
| GPC7856-D | 500ml |

## Methyl Red 0.1% Indicator Solution in Ethanol

|  |  |        |  |
|--|--|--------|--|
|  |  | UN1170 |  |
|--|--|--------|--|



### Contains:

Methyl Red: 0.1%  
Denatured Ethanol: <75%



| Code      | Pack  |
|-----------|-------|
| GPS6504-B | 100ml |
| GPS6504-D | 500ml |

## Methyl Red Sodium Salt C.I. 13020

|                  |                   |  |  |
|------------------|-------------------|--|--|
| Cas No: 845-10-3 | Einecs: 212-682-9 |  |  |
|------------------|-------------------|--|--|

Dye Content: >90%  
Molecular Formula:  $C_{15}H_{14}NaNaO_3$   
Molecular Weight: 291.29 g/mol  
Transition Range: pH4.2 (Violet Red) - pH6.2 (Brownish/Yellow)  
Maximum Absorption (pH4.2): 523-527nm  
Maximum Absorption (pH6.2): 430-434nm  
Absorptivity (A1%/1cm at pH4.2): 1200-1300  
Absorptivity (A1%/1cm at pH4.2): 675-735  
Loss on Drying: <5%

| Code     | Pack |
|----------|------|
| RRBD70-W | 5g   |

## Methyl Salicylate 99% USP,BP Synthetic

|                  |                   |  |                   |
|------------------|-------------------|--|-------------------|
| Cas No: 119-36-8 | Einecs: 204-317-7 |  | Flash Point: 96°C |
|------------------|-------------------|--|-------------------|



Minimum Assay: >99%  
Molecular Formula:  $C_8H_8O_3$   
Molecular Weight: 152.15 g/mol  
Boiling Point: 222°C  
Melting Point: -8°C  
Density at 25°C (g/cm<sup>3</sup>): 1.174  
Refractive Index: 1.537

| Code      | Pack  |
|-----------|-------|
| GPC4677-B | 100ml |
| GPC4677-D | 500ml |
| GPC4677-E | 1L    |

# Chemicals & Reagents

## Methylene Blue (1% Aqueous)

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|

### Contains:

Methylene Blue: <1%

| Code     | Pack  |
|----------|-------|
| RRSP94-B | 100ml |
| RRSP94-C | 250ml |
| RRSP94-D | 500ml |
| RRSP94-E | 1L    |

## Methylene Blue (10 x Concentrate)

|  |  |        |                   |
|--|--|--------|-------------------|
|  |  | UN1170 | Flash Point: 14°C |
|--|--|--------|-------------------|



### Contains:

Denatured Ethanol: <90%  
Sodium Azide: <1%



(Dilute 1:9 for use with distilled water)

| Code     | Pack  |
|----------|-------|
| RRSP91-B | 100ml |

## Methylene Blue (Loeffler)

|                 |  |        |                   |
|-----------------|--|--------|-------------------|
| Cas No: 61-73-4 |  | UN1993 | Flash Point: 29°C |
|-----------------|--|--------|-------------------|



### Contains:

Denatured Ethanol: <30%  
Methylene Blue: <1%  
Potassium Hydroxide: <1%

| Code     | Pack  |
|----------|-------|
| RRSP96-B | 100ml |

## Methylene Blue BP73,ACS C.I. 52015

|                     |                   |  |  |
|---------------------|-------------------|--|--|
| Cas No: 122965-43-9 | Einecs: 200-515-2 |  |  |
|---------------------|-------------------|--|--|



Minimum Assay: >99.5%  
Molecular Formula:  $C_{16}H_{18}ClN_3S_2H_2O$   
Molecular Weight: 319.86 g/mol  
Melting Point: 190°C

| Code      | Pack |
|-----------|------|
| RRBD71-T  | 5g   |
| RRBD71-W  | 25g  |
| RRBD71-2W | 50g  |
| RRBD71-X  | 100g |

## 2-Methylpropan-2-ol 98%

|                 |                   |        |                   |
|-----------------|-------------------|--------|-------------------|
| Cas No: 75-65-0 | Einecs: 200-889-7 | UN1120 | Flash Point: 11°C |
|-----------------|-------------------|--------|-------------------|



Minimum Assay: >98%  
Molecular Formula:  $C_4H_{10}O$   
Molecular Weight: 74.12 g/mol  
Boiling Point: 83°C  
Melting Point: 25°C  
Density at 25°C (g/cm<sup>3</sup>): 0.775  
Refractive Index: 1.387

| Code      | Pack  |
|-----------|-------|
| GPS5367-D | 500ml |
| GPS5367-F | 2.5L  |



## Mineralised Methylated Spirits

|                 |                   |        |                   |
|-----------------|-------------------|--------|-------------------|
| Cas No: 64-17-5 | Einecs: 200-578-6 | UN1170 | Flash Point: 17°C |
|-----------------|-------------------|--------|-------------------|



Alcohol Content: <94%  
Molecular Formula:  $C_2H_6O$   
Molecular Weight: 46.07 g/mol  
Methanol: 7-8%  
Aldehydes & Ketones: <0.10%  
Residue on Evaporation: <0.01%  
Appearance: Bright violet liquid



| Code       | Pack     |
|------------|----------|
| GPS9023-D  | 500ml    |
| GPS9023-F  | 2.5L     |
| GPS9023-4F | 4 x 2.5L |

## Murexide 99.2%

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 3051-09-0 | Einecs: 221-266-6 |  |  |
|-------------------|-------------------|--|--|

Minimum Assay: 99.2%  
Molecular Formula:  $C_8H_6N_2O_6$   
Molecular Weight: 284.19 g/mol  
Melting Point: >300°C  
pH (0.1% soln 20°C): 5

| Code       | Pack |
|------------|------|
| GPC5536-5T | 5g   |

## Naphthalene 99%

|                 |                   |        |                   |
|-----------------|-------------------|--------|-------------------|
| Cas No: 91-20-3 | Einecs: 202-049-5 | UN1334 | Flash Point: 80°C |
|-----------------|-------------------|--------|-------------------|



Minimum Assay: 99%  
Molecular Formula:  $C_{10}H_8$   
Molecular Weight: 128.17 g/mol  
Boiling Point: 218°C  
Melting Point: 80-82°C  
Density at 20°C (g/cm<sup>3</sup>): 1.085



| Code       | Pack |
|------------|------|
| GPC2468-5X | 500g |

## 2-Naphthol 98%

|                  |                   |        |                    |
|------------------|-------------------|--------|--------------------|
| Cas No: 135-19-3 | Einecs: 205-182-7 | UN3077 | Flash Point: 153°C |
|------------------|-------------------|--------|--------------------|



Minimum Assay: 98%  
Molecular Formula:  $C_{10}H_8O$   
Molecular Weight: 144.17 g/mol  
Boiling Point: 285-286°C  
Melting Point: 120-124°C  
Density at 20°C (g/cm<sup>3</sup>): 1.27



| Code       | Pack |
|------------|------|
| GPC2489-X  | 100g |
| GPC2489-5X | 500g |

## Neutral Red Indicator C.I. 50040

|                  |                   |  |  |
|------------------|-------------------|--|--|
| Cas No: 553-24-2 | Einecs: 209-035-8 |  |  |
|------------------|-------------------|--|--|

Minimum Assay: >65%  
Molecular Formula:  $C_{15}H_{14}ClN_4$   
Molecular Weight: 288.78 g/mol  
Melting Point: 290°C  
Colour Transition: pH 6.8 (Red) -pH 8.0 (Yellow)

| Code     | Pack |
|----------|------|
| RRBD77-T | 5g   |

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# Chemicals & Reagents

## Nickel (Metal) Foil 0.15mm

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7440-02-0 | Einecs: 231-111-4 |  |  |
|-------------------|-------------------|--|--|



Molecular Formula: Ni  
Molecular Weight: 58.69 g/mol  
Boiling Point: 2732°C  
Melting Point: 1453°C  
Density at 25°C (g/cm³): 8.9  
Resistivity: 6.97 µΩ-cm  
Thickness: 0.15 mm



| Code     | Pack |
|----------|------|
| NMF015-X | 100g |

## Nickel Powder 99.85%

|                   |                   |        |                   |
|-------------------|-------------------|--------|-------------------|
| Cas No: 7440-02-0 | Einecs: 231-111-4 | UN3089 | Flash Point: -3°C |
|-------------------|-------------------|--------|-------------------|



Minimum Assay: >99.85%  
Molecular Formula: Ni  
Molecular Weight: 58.71 g/mol  
Boiling Point: 2732°C  
Melting Point: 1453°C  
Density at 25°C (g/cm³): 8.9  
Resistivity: 6.97 µΩ-cm



| Code      | Pack |
|-----------|------|
| GPC4455-X | 100g |

## Ninhydrin 99%

|                  |                   |  |  |
|------------------|-------------------|--|--|
| Cas No: 485-47-2 | Einecs: 207-618-1 |  |  |
|------------------|-------------------|--|--|



Minimum Assay 99%  
Molecular Formula: C<sub>9</sub>H<sub>6</sub>O<sub>4</sub>  
Molecular Weight: 178.14 g/mol  
Melting Point: 250°C  
pH (1% soln 20°C): 4.6-5.0

| Code        | Pack |
|-------------|------|
| RRBD26136-T | 5g   |
| RRBD26136-W | 25g  |

## Nitric Acid 69%

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7697-37-2 | Einecs: 231-714-2 | UN2031 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: >69%  
Molecular Formula: HNO<sub>3</sub>  
Molecular Weight: 63.01 g/mol  
Boiling Point: 120.5°C  
Density at 20°C (g/cm³): 1.413



| Code       | Pack     |
|------------|----------|
| GPC9289-E  | 1L       |
| GPC9289-F  | 2.5L     |
| GPC9289-4F | 4 x 2.5L |

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## Nitric Acid Solution 1.0M (1.0N)

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7697-37-2 | Einecs: 231-714-2 | UN2031 |  |
|-------------------|-------------------|--------|--|



### Contains:

Nitric Acid: 1.0M (1.0N) +/- 1%  
Molecular Formula: HNO<sub>3</sub>  
Molecular Weight: 63.01 g/mol

| Code     | Pack |
|----------|------|
| VM8113-E | 1L   |

## Nitric Acid Solution 2.0M (2.0N)

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7697-37-2 | Einecs: 231-714-2 | UN2031 |  |
|-------------------|-------------------|--------|--|



### Contains:

Nitric Acid: 2.0M (2.0N) +/- 1%  
Molecular Formula: HNO<sub>3</sub>  
Molecular Weight: 63.01 g/mol

| Code     | Pack |
|----------|------|
| VM1182-E | 1L   |

## 2-Nitrophenyl-beta-D-galactopyranoside 98%

|                  |                   |  |  |
|------------------|-------------------|--|--|
| Cas No: 369-07-3 | Einecs: 206-716-1 |  |  |
|------------------|-------------------|--|--|

Minimum Assay: >98%  
Molecular Formula: C<sub>12</sub>H<sub>9</sub>NO<sub>6</sub>  
Molecular Weight: 301.25 g/mol  
Melting Point: 192°C

| Code        | Pack |
|-------------|------|
| GPC6677-1GM | 1g   |

## Octan-1-ol 99%

|                  |                   |  |                   |
|------------------|-------------------|--|-------------------|
| Cas No: 111-87-5 | Einecs: 203-917-6 |  | Flash Point: 81°C |
|------------------|-------------------|--|-------------------|



Minimum Assay: >99%  
Molecular Formula: C<sub>8</sub>H<sub>18</sub>O  
Molecular Weight: 130.23 g/mol  
Boiling Point: 193-195°C  
Melting Point: -16°C  
Density at 25°C (g/cm³): 0.827  
Refractive Index: 1.429

| Code      | Pack  |
|-----------|-------|
| GPS5038-D | 500ml |

## Octane 97%

|                  |                   |        |                   |
|------------------|-------------------|--------|-------------------|
| Cas No: 111-65-9 | Einecs: 203-892-1 | UN1262 | Flash Point: 13°C |
|------------------|-------------------|--------|-------------------|



Minimum Assay: >97%  
Molecular Formula: C<sub>8</sub>H<sub>18</sub>  
Molecular Weight: 114.23 g/mol  
Boiling Point: 125-126°C  
Melting Point: -57°C  
Density at 25°C (g/cm³): 0.703  
Refractive Index: 1.398

| Code      | Pack  |
|-----------|-------|
| GPS6107-B | 100ml |



# Chemicals & Reagents

## 1-Octene 97%

|                  |                   |        |                   |
|------------------|-------------------|--------|-------------------|
| Cas No: 111-66-0 | Einecs: 203-893-7 | UN3295 | Flash Point: 10°C |
|------------------|-------------------|--------|-------------------|



Minimum Assay: >97%  
Molecular Formula: C<sub>8</sub>H<sub>16</sub>  
Molecular Weight: 112.21 g/mol  
Boiling Point: 121°C  
Melting Point: -102°C  
Density at 25°C (g/cm³): 0.715  
Refractive Index: 1.409

| Code      | Pack  |
|-----------|-------|
| GPS6117-B | 100ml |

## Oleic Acid 75% Food Grade

|                  |                   |        |                     |
|------------------|-------------------|--------|---------------------|
| Cas No: 112-80-1 | Einecs: 204-007-1 | UN1993 | Flash Point: >113°C |
|------------------|-------------------|--------|---------------------|

Minimum Assay: >75%  
Molecular Formula: C<sub>18</sub>H<sub>34</sub>O<sub>2</sub>  
Molecular Weight: 282.47 g/mol  
Boiling Point: 194-195°C  
Melting Point: 13-14°C  
Density at 25°C (g/cm³): 0.89  
Refractive Index: 1.459

| Code      | Pack  |
|-----------|-------|
| GPC9306-D | 500ml |

## Olive Oil BP

|                   |                   |  |                    |
|-------------------|-------------------|--|--------------------|
| Cas No: 8001-25-0 | Einecs: 232-277-0 |  | Flash Point: 113°C |
|-------------------|-------------------|--|--------------------|

FFA (oleic acid): Max. 1.0  
Peroxide Value (meqO<sub>2</sub>/kg): Max. 3.0  
Density at 20°C (g/cm³): 0.910-0.913  
Refractive index (20°C): 1.468-1.471  
Iodine Value gI<sub>2</sub>/100g: 75-95  
Saponification Value mgKOH/g: 184-198  
Unsaponifiable matter %: Max. 1.5

| Code      | Pack  |
|-----------|-------|
| GPC4978-C | 250ml |
| GPC4978-D | 500ml |

## Orcein Acetic (La Cour)

|  |  |        |  |
|--|--|--------|--|
|  |  | UN2790 |  |
|--|--|--------|--|



### Contains:

Acetic Acid: <50%  
Orcein Synthetic: <1%

| Code      | Pack  |
|-----------|-------|
| RRSP118-B | 100ml |

## Orcein Synthetic

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 1400-62-0 | Einecs: 215-750-6 |  |  |
|-------------------|-------------------|--|--|



Molecular Formula: C<sub>24</sub>H<sub>14</sub>N<sub>2</sub>O<sub>7</sub>  
Molecular Weight: 500.51 g/mol  
Absorption Ratio: 1.02 (0.98-1.15)  
Wavelength of Max Absorption (NaOH 0.01M): 579nm (575-580nm)  
Absorbance Absorptivity A 1%/1cm at λ<sub>max</sub>: 331 (270-330)

| Code      | Pack |
|-----------|------|
| RRBD44-5T | 5g   |

## Oxalic Acid dihydrate 99.6%

|                   |                   |  |                    |
|-------------------|-------------------|--|--------------------|
| Cas No: 6153-56-6 | Einecs: 205-634-3 |  | Flash Point: 157°C |
|-------------------|-------------------|--|--------------------|



Minimum Assay 99.6%  
Molecular Formula: C<sub>2</sub>H<sub>2</sub>O<sub>4</sub>·2H<sub>2</sub>O  
Molecular Weight: 126.07 g/mol  
Boiling Point: 149-160°C  
Melting Point: 101°C  
Density at 20°C (g/cm³): 1.65

| Code       | Pack |
|------------|------|
| GPC8000-2X | 250g |
| GPC8000-5X | 500g |



## Pancreatin from Porcine Pancreas

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 8049-47-6 | Einecs: 232-468-9 |  |  |
|-------------------|-------------------|--|--|



Pancreatin Activity Unit: 4NF  
1NF Pancreatin contains the following activities:  
Alpha-amylase >25 USP units/mg  
Lipase >2 USP units/mg  
Protease >25 USP units/mg

| Code      | Pack |
|-----------|------|
| GPC5544-X | 100g |

## Paraffin Liquid Light

|                   |                   |  |                    |
|-------------------|-------------------|--|--------------------|
| Cas No: 8012-95-1 | Einecs: 232-384-2 |  | Flash Point: 215°C |
|-------------------|-------------------|--|--------------------|



SG: 0.830-0.860  
Melting Point: -20°C  
Refractive Index: 1.4613  
Kinematic viscosity at 37.8°C: <30cS  
Form: A clear colourless liquid

| Code      | Pack  |
|-----------|-------|
| GPC5324-D | 500ml |
| GPC5324-E | 1L    |
| GPC5324-F | 2.5L  |

## Paraffin Oil BP

|                   |                   |  |                    |
|-------------------|-------------------|--|--------------------|
| Cas No: 8012-95-1 | Einecs: 232-384-2 |  | Flash Point: 215°C |
|-------------------|-------------------|--|--------------------|



Boiling Point: 300°C  
Melting Point: -24°C  
Density at 15°C (g/cm³): 874  
Refractive Index: 1.473  
Saybolt Colour: >30  
Viscosity (at 100°C): 9.0 cst

| Code      | Pack  |
|-----------|-------|
| GPC5661-D | 500ml |
| GPC5661-E | 1L    |
| GPC5661-F | 2.5L  |

## Paraffin Wax 44-48°C

|                   |                   |  |                    |
|-------------------|-------------------|--|--------------------|
| Cas No: 8002-74-2 | Einecs: 232-315-6 |  | Flash Point: 113°C |
|-------------------|-------------------|--|--------------------|

Form: Pastilles  
Appearance:  
Solid - at ambient temperature  
Liquid - at elevated temperature

Melting Point/Congeeing Point: 44-48°C  
Boiling Point: >300°C

| Code    | Pack |
|---------|------|
| PW44-5X | 500g |

## Paraffin Wax 56-60°C

|                   |                   |  |                    |
|-------------------|-------------------|--|--------------------|
| Cas No: 8002-74-2 | Einecs: 232-315-6 |  | Flash Point: 113°C |
|-------------------|-------------------|--|--------------------|

Form: Pastilles  
Appearance:  
Solid - at ambient temperature  
Liquid - at elevated temperature

Melting Point/Congeeing Point: 56-58°C  
Boiling Point: >300°C

| Code    | Pack |
|---------|------|
| PW56-5X | 500g |
| PW56-Y  | 1kg  |

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# Chemicals & Reagents

## Pentane 95% ACS

|                  |                   |        |                    |
|------------------|-------------------|--------|--------------------|
| Cas No: 109-66-0 | Einecs: 203-692-4 | UN1265 | Flash Point: -49°C |
|------------------|-------------------|--------|--------------------|



Minimum Assay: >95%  
Molecular Formula: C<sub>5</sub>H<sub>12</sub>  
Molecular Weight: 72.15 g/mol  
Boiling Point: 36°C  
Melting Point: -130°C  
Density at 25°C (g/cm<sup>3</sup>): 0.626  
Refractive Index: 1.356-1.360

| Code      | Pack  |
|-----------|-------|
| GPS1014-C | 250ml |
| GPS1014-D | 500ml |

## Pentanol 99% (Amyl Alcohol)

|                 |                   |        |                   |
|-----------------|-------------------|--------|-------------------|
| Cas No: 71-41-0 | Einecs: 200-752-1 | UN1105 | Flash Point: 49°C |
|-----------------|-------------------|--------|-------------------|



Minimum Assay: <99%  
Molecular Formula: C<sub>5</sub>H<sub>12</sub>O  
Molecular Weight: 88.15 g/mol  
Boiling Point: 137.5°C  
Melting Point: -78°C  
Density at 25°C (g/cm<sup>3</sup>): 0.811  
Refractive Index: 1.409

| Code      | Pack  |
|-----------|-------|
| GPS8968-C | 250ml |
| GPS8968-D | 500ml |

## Pepsin Powder 1:2500

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 9001-75-6 | Einecs: 232-629-3 |  |  |
|-------------------|-------------------|--|--|



Typical Working Concentration: 1-2%  
Optimum Working pH: 2-4.5  
Working Temperature Range: 30-70°C  
Substrate: Exposed Film, Skimmed milk or other protein suspensions  
Product: Porcine Stomach  
Shelf Life: 6 months (12 months in fridge)

| Code      | Pack |
|-----------|------|
| GPC6566-W | 25g  |
| GPC6566-X | 100g |

## Peptone Bacteriological

|                    |  |  |  |
|--------------------|--|--|--|
| Cas No: 73049-73-7 |  |  |  |
|--------------------|--|--|--|

Appearance: Cream powder  
Solubility in water at 5%: Total  
Clarity: Clear, pale straw colour  
pH of 2% solution: 7.2 ± 0.2  
Total Nitrogen: 12% ± 0.5  
Amino Nitrogen: 5% ± 0.5

| Code     | Pack |
|----------|------|
| VM0015-X | 100g |

## Petroleum Ether 40-60

|                   |                   |        |                   |
|-------------------|-------------------|--------|-------------------|
| Cas No: 8032-32-4 | Einecs: 232-453-7 | UN1268 | Flash Point: <0°C |
|-------------------|-------------------|--------|-------------------|



Boiling Point: 40-60°C  
Density at 15°C (g/cm<sup>3</sup>): 0.645-0.670  
Aromatic Content: 100ppm  
Benzene Content: 30ppm  
n-Hexane Content: 2%  
Sulphur Content: 1ppm

| Code      | Pack  |
|-----------|-------|
| GPS9037-D | 500ml |
| GPS9037-E | 1L    |
| GPS9037-F | 2.5L  |

## Petroleum Ether 60-80

|                   |                   |        |                   |
|-------------------|-------------------|--------|-------------------|
| Cas No: 8032-32-4 | Einecs: 232-453-7 | UN1268 | Flash Point: <0°C |
|-------------------|-------------------|--------|-------------------|



Boiling Point: 58°C  
Density at 15°C (g/cm<sup>3</sup>): 0.675-0.730  
Refractive Index at 20°C: 1.3820  
Appearance: Clear and bright  
Aromatics Content: 100ppm  
Benzene Content: 5ppm

| Code      | Pack  |
|-----------|-------|
| GPS9038-D | 500ml |
| GPS9038-E | 1L    |
| GPS9038-F | 2.5L  |

## Petroleum Ether 80-100

|                   |                   |        |                   |
|-------------------|-------------------|--------|-------------------|
| Cas No: 8032-32-4 | Einecs: 232-453-7 | UN1268 | Flash Point: <0°C |
|-------------------|-------------------|--------|-------------------|

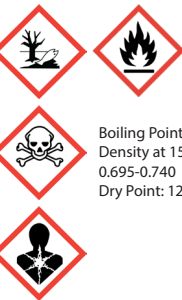


Boiling Point: 80°C-100°C  
Density at 15°C (g/cm<sup>3</sup>): <0.66  
Benzene Content: <30 ppm  
Sulphur Content: <1 ppm  
n-Hexane Content: 2% wt

| Code      | Pack  |
|-----------|-------|
| GPS9045-D | 500ml |
| GPS9045-E | 1L    |
| GPS9045-F | 2.5L  |

## Petroleum Ether 100-120

|                   |                   |        |                   |
|-------------------|-------------------|--------|-------------------|
| Cas No: 8032-32-4 | Einecs: 232-453-7 | UN1268 | Flash Point: <0°C |
|-------------------|-------------------|--------|-------------------|



Boiling Point: 100-120°C  
Density at 15°C (g/cm<sup>3</sup>): 0.695-0.740  
Dry Point: 122°C

| Code      | Pack  |
|-----------|-------|
| GPS9039-D | 500ml |
| GPS9039-E | 1L    |
| GPS9039-F | 2.5L  |

## Petroleum Jelly White

|                   |                    |  |                    |
|-------------------|--------------------|--|--------------------|
| Cas No: 8009-03-8 | Einecs: 232-3773-2 |  | Flash Point: 185°C |
|-------------------|--------------------|--|--------------------|

Melting Point: 38-55°C  
Density at 15°C (g/cm<sup>3</sup>): 0.82-0.865  
Form: White Jelly

| Code       | Pack |
|------------|------|
| GPC5220-5X | 500g |

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# Chemicals & Reagents

## 1,10-Phenanthroline Monohydrate, 99%

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 5144-89-8 | Einecs: 200-629-2 | UN2811 |  |
|-------------------|-------------------|--------|--|

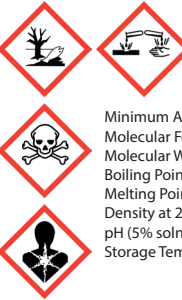


Minimum Assay: >99.0%  
Molecular Formula: C<sub>12</sub>H<sub>8</sub>N<sub>2</sub>·H<sub>2</sub>O  
Molecular Weight: 198.23 g/mol  
Melting Point: 97-101°C

| Code      | Pack |
|-----------|------|
| GPC4804-T | 5g   |

## Phenol Detached Crystals 99% ACS

|                  |                   |        |                   |
|------------------|-------------------|--------|-------------------|
| Cas No: 108-95-2 | Einecs: 203-632-7 | UN1671 | Flash Point: 79°C |
|------------------|-------------------|--------|-------------------|



Minimum Assay: >99%  
Molecular Formula: C<sub>6</sub>H<sub>6</sub>O  
Molecular Weight: 94.11 g/mol  
Boiling Point: 182°C  
Melting Point: 43°C  
Density at 20°C (g/cm<sup>3</sup>): 1.07  
pH (5% soln 20°C): 5  
Storage Temperature: 20-24°C

| Code       | Pack |
|------------|------|
| GPC8008-2X | 250g |

## Phenol Red 0.02% Alcoholic Indicator Solution

|  |  |        |                   |
|--|--|--------|-------------------|
|  |  | UN1170 | Flash Point: 14°C |
|--|--|--------|-------------------|



### Contains:

Denatured Ethanol: 95%  
Phenol Red: 0.02%

| Code     | Pack  |
|----------|-------|
| IS3601-B | 100ml |

## Phenol Red ACS

|                  |                   |  |  |
|------------------|-------------------|--|--|
| Cas No: 143-74-8 | Einecs: 205-609-7 |  |  |
|------------------|-------------------|--|--|

Minimum Assay: 99%  
Molecular Formula: C<sub>6</sub>H<sub>6</sub>O<sub>2</sub>S  
Molecular Weight: 354.38 g/mol  
Melting Point: >300°C  
Transition Range: pH 6.5 (Brown/Yellow) - pH 8.2 (Red/Violet)  
Maximum Absorption (pH 6.5): 430-435nm  
Absorptivity (E1%1cm Cell pH 6.5): 600-700  
Maximum Absorption (pH 8.2): 557-560nm  
Absorptivity (E1%1cm Cell pH 8.2): 1100-1200  
Loss on Drying: <1%

| Code      | Pack |
|-----------|------|
| RRBD44-5T | 5g   |

## Phenolphthalein 0.5% Indicator Solution

|  |  |        |                   |
|--|--|--------|-------------------|
|  |  | UN1170 | Flash Point: 24°C |
|--|--|--------|-------------------|



### Contains:

Denatured Ethanol: <50%  
Phenolphthalein: <0.5%

| Code       | Pack  |
|------------|-------|
| RRSP3012-B | 100ml |
| RRSP3012-D | 500ml |
| RRSP3012-F | 2.5L  |

## Phenolphthalein 1% Alcoholic Indicator Solution

|  |  |        |                   |
|--|--|--------|-------------------|
|  |  | UN1170 | Flash Point: 24°C |
|--|--|--------|-------------------|



### Contains:

Denatured Ethanol: <95%  
Phenolphthalein: <1%

| Code       | Pack  |
|------------|-------|
| RRSP3010-B | 100ml |
| RRSP3010-D | 500ml |

## Phenolphthalein 99% ACS,BP

|                 |                   |  |  |
|-----------------|-------------------|--|--|
| Cas No: 77-09-8 | Einecs: 201-004-7 |  |  |
|-----------------|-------------------|--|--|



Minimum Assay: 98-102%  
Molecular Formula: C<sub>20</sub>H<sub>14</sub>O<sub>4</sub>  
Molecular Weight: 318.32 g/mol  
Melting Point: 258-263°C  
Density at 20°C (g/cm<sup>3</sup>): 1.296

| Code         | Pack |
|--------------|------|
| RRBD25695-T  | 5g   |
| RRBD25695-W  | 25g  |
| RRBD25695-5X | 500g |

## Phenyl Salicylate 99.0%

|                  |                   |  |                    |
|------------------|-------------------|--|--------------------|
| Cas No: 118-55-8 | Einecs: 204-259-2 |  | Flash Point: 113°C |
|------------------|-------------------|--|--------------------|



Minimum Assay: >99.0%  
Molecular Formula: C<sub>13</sub>H<sub>10</sub>O<sub>2</sub>  
Molecular Weight: 214.22 g/mol  
Boiling Point: 172-174°C  
Melting Point: 41-45°C

| Code       | Pack |
|------------|------|
| GPC7113-X  | 100g |
| GPC7113-2X | 250g |
| GPC7113-5X | 500g |

## Phloroglucinol 99.3% Anhydrous

|                  |                   |  |  |
|------------------|-------------------|--|--|
| Cas No: 108-73-6 | Einecs: 203-611-2 |  |  |
|------------------|-------------------|--|--|



Minimum Assay: >99.3%  
Molecular Formula: C<sub>6</sub>H<sub>6</sub>O<sub>3</sub>  
Molecular Weight: 126.11 g/mol  
Melting Point: 215-220°C  
Storage Temperature: <20°C

| Code      | Pack |
|-----------|------|
| GPC2233-W | 25g  |

## Phosphoric Acid 85% ACS,FG

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7664-38-2 | Einecs: 231-633-2 | UN1805 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: 84.7-85%  
Molecular Formula: H<sub>3</sub>PO<sub>4</sub>  
Molecular Weight: 98.00 g/mol  
Boiling Point: 158°C  
Melting Point: 21°C  
Density at 25°C (g/cm<sup>3</sup>): 1.685

| Code      | Pack  |
|-----------|-------|
| GPC9312-B | 100ml |
| GPC9312-D | 500ml |
| GPC9312-E | 1L    |
| GPC9312-F | 2.5L  |

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# Chemicals & Reagents

## Phosphorus Red

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7723-14-0 | Einecs: 231-768-7 | UN1338 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: >97%  
Molecular Formula: P  
Molecular Weight: 30.97 g/mol  
Melting Point: 416°C  
Density at 25°C (g/cm³): 2.34  
Resistivity: 10 μΩ-cm

| Code      | Pack |
|-----------|------|
| GPC4268-W | 25g  |

## Polyvinyl Alcohol 98% mw 17,200

|                   |  |  |  |
|-------------------|--|--|--|
| Cas No: 9002-89-5 |  |  |  |
|-------------------|--|--|--|

Minimum Assay: 98%  
Molecular Formula: (C<sub>2</sub>H<sub>4</sub>O)<sub>n</sub>  
Molecular Weight: ~17,200 g/mol  
Viscosity: 3.6 mPa-s  
Hydrolysis: 87.7%  
Volatility: 3.3%  
pH: 5.7

| Code       | Pack |
|------------|------|
| GPC6722-2X | 250g |
| GPC6722-5X | 500g |

## Potassium Bicarbonate 99.9% FG

|                  |                   |  |  |
|------------------|-------------------|--|--|
| Cas No: 298-14-6 | Einecs: 206-059-0 |  |  |
|------------------|-------------------|--|--|

Min Assay >99%  
Molecular Formula: KHCO<sub>3</sub>  
Molecular Weight: 100.12 g/mol  
Density at 20°C (g/cm³): 2.17  
pH (10% soln 20°C): 8.4-8.6

| Code       | Pack |
|------------|------|
| GPC6901-5X | 500g |

## Potassium Bromide 98.0-100.5% Ph Eur V

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7758-02-3 | Einecs: 231-830-3 |  |  |
|-------------------|-------------------|--|--|



Minimum Assay: >98.0-100.5%  
Molecular Formula: KBr  
Molecular Weight: 119.08 g/mol  
Boiling Point: 1435°C  
Melting Point: 730°C  
Density at 20°C (g/cm³): 2.75  
Refractive Index: 1.559

| Code       | Pack |
|------------|------|
| GPC6945-5X | 500g |

## Potassium Carbonate Anhydrous 99% ACS

|                  |                   |  |  |
|------------------|-------------------|--|--|
| Cas No: 584-08-7 | Einecs: 209-529-3 |  |  |
|------------------|-------------------|--|--|



Minimum Assay: 99%  
Molecular Formula: K<sub>2</sub>CO<sub>3</sub>  
Molecular Weight: 138.21 g/mol  
Melting Point: 891°C  
Density at 20°C (g/cm³): 2.43  
pH (5% soln 20°C): 11.5-12.5

| Code       | Pack |
|------------|------|
| GPC6899-5X | 500g |

## Potassium Chlorate 99.7% ACS

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 3811-04-9 | Einecs: 223-289-7 | UN1485 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: 99.70%  
Molecular Formula: KClO<sub>3</sub>  
Molecular Weight: 122.55 g/mol  
Boiling Point: 400°C  
Melting Point: 368°C  
Density at 20°C (g/cm³): 2.32

| Code       | Pack |
|------------|------|
| GPC9907-2X | 250g |
| GPC9907-5X | 500g |

## Potassium Chloride 99-100.5% ACS,FG,FCC

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7447-40-7 | Einecs: 231-211-8 |  |  |
|-------------------|-------------------|--|--|

Minimum Assay: >99.1%  
Molecular Formula: KCl  
Molecular Weight: 74.55 g/mol  
Boiling Point: 1413°C  
Melting Point: 773°C  
Density at 25°C (g/cm³): 1.98  
pH (5% soln 25°C): 5.5-8.5

| Code       | Pack |
|------------|------|
| GPC8004-5X | 500g |
| GPC8004-Y  | 1kg  |
| GPC8004-3Y | 3kg  |

## Potassium Dichromate 99.7%

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7778-50-9 | Einecs: 231-906-6 | UN3087 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: >99.7%  
Molecular Formula: K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub>  
Molecular Weight: 294.18 g/mol  
Melting Point: 398°C  
Density at 20°C (g/cm³): 2.7  
Calc as CrO<sub>3</sub>: >67.8%  
Calc as Cr: >35.2%

| Code       | Pack |
|------------|------|
| GPC8022-2X | 250g |
| GPC8022-5X | 500g |

## Potassium dihydrogen Phosphate 99-102.00% Anhydrous ACS, FG

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7778-77-0 | Einecs: 231-913-4 |  |  |
|-------------------|-------------------|--|--|

Minimum Assay: >100.2%  
Molecular Formula: KH<sub>2</sub>PO<sub>4</sub>  
Molecular Weight: 136.09 g/mol  
Melting Point: 252.6°C  
Density at 25°C (g/cm³): 2.338  
pH (2% soln 20°C): 4.2-4.6

| Code       | Pack |
|------------|------|
| GPC8093-2X | 250g |
| GPC8093-5X | 500g |

## Potassium Ferricyanide 99.8% ACS

|                    |                   |  |  |
|--------------------|-------------------|--|--|
| Cas No: 13746-66-2 | Einecs: 237-323-3 |  |  |
|--------------------|-------------------|--|--|

Minimum Assay: >99.81%  
Molecular Formula: K<sub>3</sub>Fe(CN)<sub>6</sub>  
Molecular Weight: 329.25 g/mol  
Density at 20°C (g/cm³): 1.85  
pH (5% soln 20°C): 6

| Code       | Pack |
|------------|------|
| GPC8024-X  | 100g |
| GPC8024-2X | 250g |
| GPC8024-5X | 500g |

# Chemicals & Reagents

## Potassium Hexacyanoferrate (II) 99.9% ACS

|                    |                   |  |  |
|--------------------|-------------------|--|--|
| Cas No: 14459-95-1 | Einecs: 237-722-2 |  |  |
|--------------------|-------------------|--|--|

Minimum Assay: >99.99%  
Molecular Formula: K<sub>4</sub>Fe(CN)<sub>6</sub>·3H<sub>2</sub>O  
Molecular Weight: 422.39 g/mol  
Melting Point: 70°C  
Density at 20°C (g/cm³): 1.850  
pH (10% soln 20°C): 9.5

| Code       | Pack |
|------------|------|
| GPC8023-2X | 250g |
| GPC8023-5X | 500g |

## Potassium Hydrogen Phthalate 99.5%

|                  |                   |  |  |
|------------------|-------------------|--|--|
| Cas No: 877-24-7 | Einecs: 212-889-4 |  |  |
|------------------|-------------------|--|--|

Minimum Assay: <99.5%  
Molecular Formula: C<sub>8</sub>H<sub>5</sub>KO<sub>4</sub>  
Molecular Weight: 204.22 g/mol  
Melting Point: 295-300°C  
Density at 20°C (g/cm³): 1.64  
pH (5% soln 20°C): 4.0  
Insoluble matter: 0.003%  
Loss on drying at 110°C: 0.2%

| Code       | Pack |
|------------|------|
| GPC1740-X  | 100g |
| GPC1740-2X | 250g |
| GPC1740-5X | 500g |

## Potassium Hydroxide Pellets 85%

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 1310-58-3 | Einecs: 215-181-3 | UN1813 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: >99%  
Molecular Formula: KOH  
Molecular Weight: 56.11 g/mol  
Melting Point: 361°C  
Density at 20°C (g/cm³): 2.04  
pH (5% soln 20°C): 14



| Code       | Pack |
|------------|------|
| GPC8025-5X | 500g |
| GPC8025-2Y | 2kg  |
| GPC8025-5Y | 5Kg  |

## Potassium Hydroxide Solution 1.0M (1.0N)

|  |  |        |  |
|--|--|--------|--|
|  |  | UN1814 |  |
|--|--|--------|--|

### Contains:



Potassium Hydroxide: 1.0M (1.0N) +/- 1%

Molecular Formula: HKO  
Molecular Weight: 56.11 g/mol

| Code     | Pack |
|----------|------|
| VM5236-E | 1L   |

## Potassium Iodate 99% ACS

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7758-05-6 | Einecs: 231-831-9 | UN1479 |  |
|-------------------|-------------------|--------|--|



Molecular Formula: KIO<sub>3</sub>  
Molecular Weight: 214.0 g/mol  
Melting Point: 560°C  
Density at 25°C (g/cm³): 3.93  
pH (5% soln 20°C): 6



| Code       | Pack |
|------------|------|
| GPC8026-X  | 100g |
| GPC8026-2X | 250g |

## Potassium Iodide 99.9% ACS

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7681-11-0 | Einecs: 231-659-4 |  |  |
|-------------------|-------------------|--|--|



Minimum Assay: >99%  
Molecular Formula: KI  
Molecular Weight: 166.0 g/mol  
Boiling Point: 1325°C  
Melting Point: 681°C  
Density at 25°C (g/cm³): 3.23  
pH (5% soln 20°C): 6.9

| Code       | Pack |
|------------|------|
| GPC8111-X  | 100g |
| GPC8111-2X | 250g |
| GPC8111-5X | 500g |
| GPC8111-Y  | 1kg  |

## Potassium Metabisulphite 97%

|                    |                   |  |  |
|--------------------|-------------------|--|--|
| Cas No: 16731-55-8 | Einecs: 240-795-3 |  |  |
|--------------------|-------------------|--|--|



Minimum Assay: >97.0%  
Molecular Formula: K<sub>2</sub>S<sub>2</sub>O<sub>5</sub>  
Molecular Weight: 222.32 g/mol  
Melting Point: 190°C  
Density at 20°C (g/cm³): 2.34  
pH (5% soln 20°C): 3.0-4.5

| Code       | Pack |
|------------|------|
| GPC9925-5X | 500g |

## Potassium Nitrate 99.5% ACS, FG

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7757-79-1 | Einecs: 231-818-8 | UN1486 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: >99%  
Molecular Formula: KNO<sub>3</sub>  
Molecular Weight: 101.11 g/mol  
Boiling Point: 400°C  
Melting Point: 334°C  
pH (5% soln 20°C): 5.0-7.5

| Code       | Pack |
|------------|------|
| GPC9401-5X | 500g |
| GPC9401-Y  | 1kg  |

## Potassium Oxalate Monohydrate 99.9% ACS

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 6487-48-5 | Einecs: 209-506-8 |  |  |
|-------------------|-------------------|--|--|



Minimum Assay: >99.9%  
Molecular Formula: C<sub>2</sub>K<sub>2</sub>O<sub>4</sub>·H<sub>2</sub>O  
Molecular Weight: 184.23 g/mol  
Melting Point: >300°C  
Density at 20°C (g/cm³): 2.20  
pH (5% soln 20°C): 7.0-8.5

| Code         | Pack |
|--------------|------|
| GPC223425-X  | 100g |
| GPC223425-2X | 250g |
| GPC223425-5X | 500g |

## Potassium Periodate 99.8% ACS

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7790-21-8 | Einecs: 232-196-0 | UN3085 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: >99.8%  
Molecular Formula: KIO<sub>4</sub>  
Molecular Weight: 230.0 g/mol  
Melting Point: 582°C



| Code        | Pack |
|-------------|------|
| GPC210056-X | 100g |

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# Chemicals & Reagents

## Potassium Permanganate 99.0-100.5%

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7722-64-7 | Einecs: 231-760-3 | UN1490 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: 99.0-100.5%  
Molecular Formula:  $\text{KMnO}_4$   
Molecular Weight: 158.03 g/mol  
Melting Point: 240°C  
Density at 20°C (g/cm<sup>3</sup>): 2.70  
pH (2% soln 20°C): 7-9

| Code      | Pack |
|-----------|------|
| RRBD74-5X | 500g |

## Potassium Permanganate Solution 0.02M (0.1N)

|  |  |        |  |
|--|--|--------|--|
|  |  | UN3082 |  |
|--|--|--------|--|

### Contains:

Potassium Permanganate: 0.02M (0.1N) +/- 1%

Molecular Formula:  $\text{KMnO}_4$   
Molecular Weight: 158.03 g/mol

| Code     | Pack |
|----------|------|
| VM5382-F | 2.5L |

## Potassium Permanganate Solution 0.2M (1.0N)

|  |  |        |  |
|--|--|--------|--|
|  |  | UN3082 |  |
|--|--|--------|--|

### Contains:

Potassium Permanganate: 0.2M (1.0N) +/- 1%

Molecular Formula:  $\text{KMnO}_4$   
Molecular Weight: 158.03 g/mol

| Code     | Pack |
|----------|------|
| VM5242-F | 2.5L |

## Potassium Persulphate 98%

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7727-21-1 | Einecs: 231-781-8 | UN1492 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: <98%  
Molecular Formula:  $\text{K}_2\text{S}_2\text{O}_8$   
Molecular Weight: 270.32 g/mol  
Melting Point: 100°C  
Density at 20°C (g/cm<sup>3</sup>): 2.48  
pH (5% soln 20°C): 3.2

| Code       | Pack |
|------------|------|
| GPC9911-2X | 250g |
| GPC9911-5X | 500g |

## Potassium Sodium Tartrate Tetrahydrate 98%

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 6381-59-5 | Einecs: 206-156-8 |  |  |
|-------------------|-------------------|--|--|

Minimum Assay: >98%  
Molecular Formula:  $\text{C}_4\text{H}_4\text{KNaO}_6 \cdot 4\text{H}_2\text{O}$   
Molecular Weight: 282.23 g/mol  
Melting Point: 70-80°C  
pH (5% soln 25°C): 7.0-8.5

| Code       | Pack |
|------------|------|
| GPC9920-5X | 500g |

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## Potassium Sulphate 99.9% ACS

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7778-80-5 | Einecs: 231-915-5 |  |  |
|-------------------|-------------------|--|--|

Minimum Assay: >99.9%  
Molecular Formula:  $\text{K}_2\text{SO}_4$   
Molecular Weight: 174.25 g/mol  
Boiling Point: 1689°C  
Melting Point: 1069°C  
Density at 20°C (g/cm<sup>3</sup>): 2.66

| Code       | Pack |
|------------|------|
| GPC9296-5X | 500g |

## Potassium Thiocyanate 98%

|                  |                   |  |  |
|------------------|-------------------|--|--|
| Cas No: 333-20-0 | Einecs: 206-370-1 |  |  |
|------------------|-------------------|--|--|



Minimum Assay: 98%  
Molecular Formula:  $\text{KSCN}$   
Molecular Weight: 97.18 g/mol  
Boiling Point: >400°C  
Melting Point: 172-175°C  
Density at 20°C (g/cm<sup>3</sup>): 1.91  
pH (5% soln 20°C): 5.3-8.5

| Code       | Pack |
|------------|------|
| GPC5452-X  | 100g |
| GPC5452-2X | 250g |
| GPC5452-5X | 500g |

## Propan-1-ol 99.9% ACS

|                 |                   |        |                   |
|-----------------|-------------------|--------|-------------------|
| Cas No: 71-23-8 | Einecs: 200-746-9 | UN1274 | Flash Point: 15°C |
|-----------------|-------------------|--------|-------------------|



Minimum Assay: >99.9%  
Molecular Formula:  $\text{C}_3\text{H}_8\text{O}$   
Molecular Weight: 60.10 g/mol  
Boiling Point: 96.5°C  
Melting Point: -127°C  
Density at 20°C (g/cm<sup>3</sup>): 0.804  
Refractive Index: 1.85

| Code      | Pack  |
|-----------|-------|
| GPS9034-C | 250ml |
| GPS9034-D | 500ml |
| GPS9034-E | 1L    |
| GPS9034-F | 2.5L  |

## Propionaldehyde 97%

|                  |                   |        |                    |
|------------------|-------------------|--------|--------------------|
| Cas No: 123-38-6 | Einecs: 204-623-0 | UN1275 | Flash Point: -40°C |
|------------------|-------------------|--------|--------------------|



Minimum Assay: >97%  
Molecular Formula:  $\text{C}_3\text{H}_6\text{O}$   
Molecular Weight: 58.08 g/mol  
Boiling Point: 46-50°C  
Melting Point: -81°C  
Density at 25°C (g/cm<sup>3</sup>): 0.805  
Refractive Index: 1.3620

| Code      | Pack  |
|-----------|-------|
| GPC6948-B | 100ml |
| GPC6948-C | 250ml |

## Propionic Acid 99.5%

|                 |                   |        |                   |
|-----------------|-------------------|--------|-------------------|
| Cas No: 79-09-4 | Einecs: 201-176-3 | UN3463 | Flash Point: 54°C |
|-----------------|-------------------|--------|-------------------|



Minimum Assay: >99.5%  
Molecular Formula:  $\text{C}_3\text{H}_6\text{O}_2$   
Molecular Weight: 74.08 g/mol  
Boiling Point: 141°C  
Melting Point: -23°C  
Density at 25°C (g/cm<sup>3</sup>): 0.993  
Refractive Index: 1.386

| Code      | Pack  |
|-----------|-------|
| GPC8098-C | 250ml |
| GPC8098-D | 500ml |

# Chemicals & Reagents

## Propylene Glycol 99.80% ACS

|                 |                   |  |                    |
|-----------------|-------------------|--|--------------------|
| Cas No: 57-55-6 | Einecs: 200-338-0 |  | Flash Point: 103°C |
|-----------------|-------------------|--|--------------------|

Minimum Assay: >99.80%  
Molecular Formula:  $\text{C}_3\text{H}_8\text{O}_2$   
Molecular Weight: 76.10 g/mol  
Boiling Point: 186-188°C  
Melting Point: -60°C  
Density at 25°C (g/cm<sup>3</sup>): 1.036  
Refractive Index: 1.432

| Code      | Pack  |
|-----------|-------|
| GPC7656-D | 500ml |

## Purified Water BP

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7732-18-5 | Einecs: 231-791-2 |  |  |
|-------------------|-------------------|--|--|

Minimum Assay: >99.99%  
Molecular Formula:  $\text{H}_2\text{O}$   
Molecular Weight: 18.02 g/mol  
Boiling Point: 100°C  
Melting Point: 0°C  
Density at 3.98°C (g/cm<sup>3</sup>): 1.00  
Refractive Index: 1.34  
Resistivity: >10 MΩ-cm

| Code      | Pack |
|-----------|------|
| GPC9600-G | 5L   |

## Pyridine, ACS

|                  |                   |        |                   |
|------------------|-------------------|--------|-------------------|
| Cas No: 110-86-1 | Einecs: 203-809-9 | UN1282 | Flash Point: 17°C |
|------------------|-------------------|--------|-------------------|



Minimum Assay: >99%  
Molecular Formula:  $\text{C}_5\text{H}_5\text{N}$   
Molecular Weight: 79.10 g/mol  
Boiling Point: 115°C  
Melting Point: -42°C  
Density at 25°C (g/cm<sup>3</sup>): 0.978  
Refractive Index: 1.509

| Code      | Pack  |
|-----------|-------|
| AA19378-B | 100ml |

## Resazurin Tablets

|                  |                   |  |  |
|------------------|-------------------|--|--|
| Cas No: 550-82-3 | Einecs: 208-987-1 |  |  |
|------------------|-------------------|--|--|

Molecular Formula:  $\text{C}_{12}\text{H}_7\text{NO}_4$   
Molecular Weight: 229.19 g/mol

| Code     | Pack     |
|----------|----------|
| AE00-002 | 100 pack |

## Resorcinol 99% ACS

|                  |                   |        |                    |
|------------------|-------------------|--------|--------------------|
| Cas No: 108-46-3 | Einecs: 203-585-2 | UN2876 | Flash Point: 127°C |
|------------------|-------------------|--------|--------------------|



Minimum Assay: 99-100.5%  
Molecular Formula:  $\text{C}_6\text{H}_6\text{O}_2$   
Molecular Weight: 110.11 g/mol  
Boiling Point: 281°C  
Melting Point: 111°C  
Density at 20°C (g/cm<sup>3</sup>): 1.28  
pH (10% soln 20°C): 4-6

| Code       | Pack |
|------------|------|
| GPC8007-W  | 25g  |
| GPC8007-2W | 50g  |
| GPC8007-X  | 100g |

## Rock Salt (Sodium Chloride)

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7647-14-5 | Einecs: 231-598-3 |  |  |
|-------------------|-------------------|--|--|

Molecular Formula:  $\text{NaCl}$   
Molecular Weight: 58.43 g/mol  
Boiling Point: 1461°C  
Melting Point: 801°C  
Density at 20°C (g/cm<sup>3</sup>): 2.17  
pH: 5.0-9.0 (5% soln 25°C)

| Code        | Pack |
|-------------|------|
| GPC7333-Y   | 1kg  |
| GPC7333-3Y  | 3kg  |
| GPC7333-5Y  | 5Kg  |
| GPC7333-10Y | 10kg |

## Safranin 1% Aqueous

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7681-11-0 | Einecs: 231-659-4 |  |  |
|-------------------|-------------------|--|--|



### Contains:

Denatured Ethanol: <10%  
Safranin: 1%

| Code      | Pack  |
|-----------|-------|
| RRSP137-B | 100ml |

## Safranin O C.I. 50240

|                  |                   |  |  |
|------------------|-------------------|--|--|
| Cas No: 477-73-6 | Einecs: 207-518-8 |  |  |
|------------------|-------------------|--|--|



Dye Content: >95%  
Molecular Formula:  $\text{C}_{20}\text{H}_{19}\text{ClN}_4$   
Molecular Weight: 350.85 g/mol  
Maximum Absorptivity (in 50:50 Ethanol:Water): 530nm  
Absorptivity (E1% in 1cm cell Ethanol:Water): 1562  
Loss on drying: <3.52%

| Code     | Pack |
|----------|------|
| RRBD83-T | 5g   |

## Salicylic Acid 99.5% ACS

|                 |                   |  |                    |
|-----------------|-------------------|--|--------------------|
| Cas No: 69-72-7 | Einecs: 200-712-3 |  | Flash Point: 157°C |
|-----------------|-------------------|--|--------------------|



Minimum Assay: >99.5%  
Molecular Formula:  $\text{C}_7\text{H}_6\text{O}_3$   
Molecular Weight: 138.12 g/mol  
Boiling Point: 211°C  
Melting Point: 158.5-160°C  
Density at 20°C (g/cm<sup>3</sup>): 1.443

| Code       | Pack |
|------------|------|
| GPC9940-X  | 100g |
| GPC9940-5X | 500g |

## Sand, Acid Washed

|                    |  |  |  |
|--------------------|--|--|--|
| Cas No: 14808-60-7 |  |  |  |
|--------------------|--|--|--|

Contains: Silica Sand

$\text{SiO}_2$ : 99.7%  
 $\text{Al}_2\text{O}_3$ : 0.11%  
 $\text{Fe}_2\text{O}_3$ : 0.02%  
 $\text{CaO}$ : 0.04%  
 $\text{K}_2\text{O}$ : 0.02%  
 $\text{Na}_2\text{O}$ : <0.02%  
 $\text{TiO}_2$ : 0.03%

| Code       | Pack |
|------------|------|
| GPC9932-Y  | 1kg  |
| GPC9932-5Y | 5kg  |

## Sebacoyl Chloride 5% in Cyclohexane

|  |  |        |  |
|--|--|--------|--|
|  |  | UN1145 |  |
|--|--|--------|--|



### Contains:

Sebacoyl Chloride: 5%  
Cyclohexane

| Code      | Pack  |
|-----------|-------|
| GPS1876-B | 100ml |

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# Chemicals & Reagents

## Silica Gel Self Indicating (Blue)

|                     |                   |  |  |
|---------------------|-------------------|--|--|
| Cas No: 112926-00-8 | Einecs: 231-545-4 |  |  |
|---------------------|-------------------|--|--|

Form: Dark Blue Crystals (Course)  
Boiling Point: 2230°C  
Melting Point: >1600°C  
Solubility: Insoluble in Water  
Loss on drying at 150°C: Approx 2.5%  
Water absorption capacity (24 hr 80% relative humidity): <30%  
Mesh size: 5-8 Mesh

| Code       | Pack |
|------------|------|
| GPC5690-5X | 500g |
| GPC5690-Y  | 1kg  |

## Silver Nitrate 2% in Nitric Acid 2% Solution

|  |  |        |  |
|--|--|--------|--|
|  |  | UN3082 |  |
|--|--|--------|--|



### Contains:

Silver Nitrate: <2%  
Nitric Acid: <2%

| Code      | Pack  |
|-----------|-------|
| GPC9875-D | 500ml |

## Silver Nitrate 99.9% ACS

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7761-88-8 | Einecs: 231-853-9 | UN1493 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: >99.9%  
Molecular Formula: AgNO<sub>3</sub>  
Molecular Weight: 169.87 g/mol  
Boiling Point: 444°C  
Melting Point: 212°C  
Density at 20°C (g/cm<sup>3</sup>): 4.35  
pH (10% soln 20°C): 5.4-6.4

| Code       | Pack |
|------------|------|
| GPC8109-U  | 10g  |
| GPC8109-W  | 25g  |
| GPC8109-2W | 50g  |
| GPC8109-X  | 100g |

## Silver Nitrate Solution 0.1M (0.1N)

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7761-88-8 | Einecs: 231-853-9 | UN3082 |  |
|-------------------|-------------------|--------|--|



### Contains:

Silver Nitrate: 0.1M (0.1N) +/- 1%  
Molecular Formula: AgNO<sub>3</sub>  
Molecular Weight: 169.87 g/mol

| Code     | Pack  |
|----------|-------|
| VM1020-D | 500ml |
| VM1020-E | 1L    |
| VM1020-F | 2.5L  |

## Soap Solution (Wanklyn's)

|                  |                   |        |  |
|------------------|-------------------|--------|--|
| Cas No: 333-20-0 | Einecs: 206-370-1 | UN1170 |  |
|------------------|-------------------|--------|--|



### Contains:

Soap Flakes: <1%  
Industrial Methylated Spirits  
99.5%: <50%

| Code      | Pack |
|-----------|------|
| GPC4811-E | 1L   |
| GPC4811-F | 2.5L |

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## Soda Lime Self Indicating

|                   |  |        |  |
|-------------------|--|--------|--|
| Cas No: 8006-28-8 |  | UN1907 |  |
|-------------------|--|--------|--|



Molecular Formula: CaO/NaOH  
Appearance: Light Pink Granules  
Loss on drying: 10-15%  
Carbon Dioxide Absorption: >19%  
Hygroscopicity: <7.5%

| Code       | Pack |
|------------|------|
| GPC2665-5X | 500g |

## Sodium Acetate Anhydrous 99% ACS

|                  |                   |  |                     |
|------------------|-------------------|--|---------------------|
| Cas No: 127-09-3 | Einecs: 204-823-8 |  | Flash Point: >250°C |
|------------------|-------------------|--|---------------------|

Minimum Assay: >99.5%  
Molecular Formula: NaOOCCH<sub>3</sub>  
Molecular Weight: 82.03 g/mol  
Boiling Point: >400°C  
Melting Point: 324°C  
Density at 20°C (g/cm<sup>3</sup>): 1.52  
pH (3% soln 20°C): 7.5-9.2

| Code       | Pack |
|------------|------|
| GPC2234-5X | 500g |

## Sodium Acetate Trihydrate 99.5% ACS, USP, Ph Eur

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 6131-90-4 | Einecs: 204-823-8 |  |  |
|-------------------|-------------------|--|--|

Minimum Assay: >99%  
Molecular Formula: NaOOCCH<sub>3</sub>•3H<sub>2</sub>O  
Molecular Weight: 136.08 g/mol  
Melting Point: 58°C  
Density at 20°C (g/cm<sup>3</sup>): 1.42  
pH (5% soln 20°C): 7.5-9.2

| Code       | Pack |
|------------|------|
| GPC8028-5X | 500g |

## Sodium Alginate 98%

|                   |  |  |  |
|-------------------|--|--|--|
| Cas No: 9005-38-3 |  |  |  |
|-------------------|--|--|--|

Particle Size (through 120 mesh): >98%  
Ash: 18-27  
pH (1% Solution): 6-8  
Viscosity (1% sol, 20°C, spindle 4, 60rpm): Min 400 mPas  
Loss on drying: <15%

| Code       | Pack |
|------------|------|
| GPC1500-W  | 25g  |
| GPC1500-2W | 50g  |
| GPC1500-X  | 100g |

Microbiological:  
Total Viable Count: <5000 cfu/g  
Yeasts: <500 cfu/g  
Moulds: <500 cfu/g  
Salmonella: absent in 10g  
Escherichia Coli: absent in 5gm

## Sodium Benzoate 99.9% USP, BP, Ph.EUR

|                  |                   |  |                     |
|------------------|-------------------|--|---------------------|
| Cas No: 532-32-1 | Einecs: 208-534-8 |  | Flash Point: >100°C |
|------------------|-------------------|--|---------------------|



Minimum Assay: >99%  
Molecular Formula: C<sub>6</sub>H<sub>5</sub>COONa  
Molecular Weight: 144.11 g/mol  
Melting Point: >300°C  
Density at 20°C (g/cm<sup>3</sup>): 1.440  
pH (14% soln 25°C): 7.0-8.5  
Solubility in Water (% weight):  
55.6% at 20°C

| Code       | Pack |
|------------|------|
| GPC9342-2X | 250g |

## Sodium Bromide 99.4% ACS

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7647-15-6 | Einecs: 231-599-9 |  |  |
|-------------------|-------------------|--|--|

Minimum Assay: >99.4%  
Molecular Formula: NaBr  
Molecular Weight: 102.89 g/mol  
Boiling Point: 1380°C  
Melting Point: 755°C  
Density at 25°C (g/cm<sup>3</sup>): 3.2  
Refractive Index: 1.6412

| Code       | Pack |
|------------|------|
| GPC9436-2X | 250g |
| GPC9436-5X | 500g |

# Chemicals & Reagents

## Sodium Carbonate Anhydrous 99.3%

|                  |                   |  |  |
|------------------|-------------------|--|--|
| Cas No: 497-19-8 | Einecs: 207-838-8 |  |  |
|------------------|-------------------|--|--|



Minimum Assay: >99.3%  
Molecular Formula: Na<sub>2</sub>CO<sub>3</sub>  
Molecular Weight: 105.99 g/mol  
Boiling Point: 1600°C  
Melting Point: 854°C  
Density at 20°C (g/cm<sup>3</sup>): 2.53  
pH (10% soln 25°C): 12

| Code       | Pack |
|------------|------|
| GPC6895-5X | 500g |
| GPC6895-Y  | 1kg  |
| GPC6895-3Y | 3kg  |

## Sodium Chlorate 99%

|                   |                   |        |                   |
|-------------------|-------------------|--------|-------------------|
| Cas No: 7775-09-9 | Einecs: 231-887-4 | UN1495 | Flash Point: 17°C |
|-------------------|-------------------|--------|-------------------|



Minimum Assay: >99%  
Molecular Formula: NaClO<sub>3</sub>  
Molecular Weight: 106.45 g/mol  
Melting Point: 248°C  
Density at 15°C (g/cm<sup>3</sup>): 2.5  
pH (5% soln 20°C): 5-7

| Code       | Pack |
|------------|------|
| GPC6871-5X | 500g |

## Sodium Chloride 99.9% BP, ACS, Ph Eur, FCC

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7647-14-5 | Einecs: 231-598-3 |  |  |
|-------------------|-------------------|--|--|

Minimum Assay: >99.9%  
Molecular Formula: NaCl  
Molecular Weight: 58.44 g/mol  
Boiling Point: 1461°C  
Melting Point: 801°C  
Density at 20°C (g/cm<sup>3</sup>): 2.17  
pH (10% soln 20°C): 4.5-7.0

Confirms to BSEN973:2009  
Conforms to BSEN 14805:2008  
Certified Food Grade Product

| Code        | Pack |
|-------------|------|
| GPC8030-5X  | 500g |
| GPC8030-Y   | 1kg  |
| GPC8030-3Y  | 3kg  |
| GPC8030-5Y  | 5kg  |
| GPC8030-10Y | 10kg |

## Sodium Dichromate Dihydrate 98%

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7789-12-0 | Einecs: 234-190-3 | UN3086 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: >98%  
Molecular Formula: Cr<sub>2</sub>Na<sub>2</sub>O•2H<sub>2</sub>O  
Molecular Weight: 298.0 g/mol  
Melting Point: 91°C  
Density at 20°C (g/cm<sup>3</sup>): 2.35  
pH (10% soln 20°C): 3.5

| Code       | Pack |
|------------|------|
| GPC8090-5X | 500g |

## Sodium Dihydrogen Phosphate Dihydrate 99.6%

|                    |                   |  |  |
|--------------------|-------------------|--|--|
| Cas No: 13472-35-0 | Einecs: 231-449-2 |  |  |
|--------------------|-------------------|--|--|

Minimum Assay: >99.6%  
Molecular Formula: NaH<sub>2</sub>PO<sub>4</sub>•2H<sub>2</sub>O  
Molecular Weight: 156.01 g/mol  
Melting Point: 60°C  
Density at 20°C (g/cm<sup>3</sup>): 1.915

| Code       | Pack |
|------------|------|
| GPC8045-2X | 250g |
| GPC8045-5X | 500g |

## Sodium Dithionite ACS (Sodium Hydrosulfite)

|                   |                   |        |                    |
|-------------------|-------------------|--------|--------------------|
| Cas No: 7775-14-6 | Einecs: 231-890-0 | UN1384 | Flash Point: 101°C |
|-------------------|-------------------|--------|--------------------|



Minimum Assay: >85%  
Molecular Formula: Na<sub>2</sub>S<sub>2</sub>O<sub>4</sub>  
Molecular Weight: 174.11 g/mol  
Melting Point: 52°C  
Density at 20°C (g/cm<sup>3</sup>): 2.5  
pH (5% soln 20°C): 5.5-8.5

| Code       | Pack |
|------------|------|
| GPC9937-5X | 500g |

## Sodium Dodecyl Sulfate 98% Ultrapure

|                  |                   |        |                    |
|------------------|-------------------|--------|--------------------|
| Cas No: 151-21-3 | Einecs: 205-788-1 | UN2926 | Flash Point: 180°C |
|------------------|-------------------|--------|--------------------|



Minimum Assay >99%  
Molecular Formula: C<sub>12</sub>H<sub>25</sub>NaO<sub>4</sub>S  
Molecular Weight: 288.38 g/mol  
Melting Point: 206°C  
Density at 20°C (g/cm<sup>3</sup>): 1.1  
pH (1% soln 20°C): 6-9

| Code       | Pack |
|------------|------|
| GPC1000-2X | 250g |

## Sodium Fluoride 97.0%

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7681-49-4 | Einecs: 231-667-8 | UN1690 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: >97.0%  
Molecular Formula: NaF  
Molecular Weight: 41.99 g/mol  
Boiling Point: 1704°C  
Melting Point: 993°C  
Density at 20°C (g/cm<sup>3</sup>): 2.8  
pH (4% soln 20°C): 10.2

| Code       | Pack |
|------------|------|
| GPC7745-X  | 100g |
| GPC7745-5X | 500g |

## Sodium Formate 99.1%

|                  |                   |  |                    |
|------------------|-------------------|--|--------------------|
| Cas No: 141-53-7 | Einecs: 205-488-0 |  | Flash Point: 180°C |
|------------------|-------------------|--|--------------------|

Minimum Assay: <99.1%  
Molecular Formula: HCOONa  
Molecular Weight: 68.01 g/mol  
Melting Point: 259-262°C  
Density at 20°C (g/cm<sup>3</sup>): 1.92  
pH (5% soln 20°C): 7.90

| Code       | Pack |
|------------|------|
| GPC9914-5X | 500g |

## Sodium Hexametaphosphate (Graham's Salt)

|                    |                   |  |  |
|--------------------|-------------------|--|--|
| Cas No: 68915-31-1 | Einecs: 272-808-3 |  |  |
|--------------------|-------------------|--|--|



Minimum Assay: >68%  
Molecular Formula: (NaPO<sub>3</sub>)<sub>6</sub> (mainly)  
Molecular Weight: 611.78 g/mol  
Boiling Point: 1500°C  
Melting Point: 628°C

| Code       | Pack |
|------------|------|
| GPC9923-5X | 500g |

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# Chemicals & Reagents

## Sodium Hydrogen Carbonate 99% ACS,EP,USP

|                  |                   |  |  |
|------------------|-------------------|--|--|
| Cas No: 144-55-8 | Einecs: 205-633-8 |  |  |
|------------------|-------------------|--|--|

Minimum Assay: 99.0-100.5%  
Molecular Formula:  $\text{NaHCO}_3$   
Molecular Weight: 84.01 g/mol  
Melting Point:  $>300^\circ\text{C}$   
Density at  $20^\circ\text{C}$  ( $\text{g}/\text{cm}^3$ ): 2.22  
pH (5% soln  $20^\circ\text{C}$ ):  $<8.6$

| Code       | Pack |
|------------|------|
| GPC6897-5X | 500g |
| GPC6897-Y  | 1kg  |
| GPC6897-3Y | 3kg  |

## Sodium Hydrogen Sulphate 92%

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7681-38-1 | Einecs: 231-665-7 |  |  |
|-------------------|-------------------|--|--|

Minimum Assay: 92.0-95.2%  
Molecular Formula:  $\text{HNaSO}_4$   
Molecular Weight: 120.06 g/mol  
Melting Point:  $177-180^\circ\text{C}$   
Density at  $20^\circ\text{C}$  ( $\text{g}/\text{cm}^3$ ): 2.435  
pH (5% soln  $20^\circ\text{C}$ ): 1.0  
Colour: White - Off White

| Code        | Pack |
|-------------|------|
| GPC88005-2X | 250g |
| GPC88005-5X | 500g |
| GPC88005-Y  | 1kg  |

## Sodium Hydroxide Pearl 99%

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 1310-73-2 | Einecs: 215-185-5 | UN1823 |  |
|-------------------|-------------------|--------|--|

Total Alkalinity ( $\text{NaOH}/\text{kg}$ ): 99.0%  
Molecular Formula:  $\text{NaOH}$   
Molecular Weight: 40.0 g/mol  
Melting Point:  $318.4^\circ\text{C}$   
Density at  $20^\circ\text{C}$  ( $\text{g}/\text{cm}^3$ ): 2.13  
pH (10% soln  $20^\circ\text{C}$ ):  $>14$

| Code       | Pack |
|------------|------|
| GPC8035-5X | 500g |
| GPC8035-Y  | 1kg  |
| GPC8035-3Y | 3kg  |

## Sodium Hydroxide Pellets 99.9% ACS

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 1310-73-2 | Einecs: 215-185-5 | UN1823 |  |
|-------------------|-------------------|--------|--|

Minimum Assay: 97.0-100.5%  
Molecular Formula:  $\text{NaOH}$   
Molecular Weight: 40.0 g/mol  
Melting Point:  $318.4^\circ\text{C}$   
Density at  $20^\circ\text{C}$  ( $\text{g}/\text{cm}^3$ ): 2.13  
pH (10% soln  $20^\circ\text{C}$ ):  $>14$

| Code       | Pack |
|------------|------|
| GPC8036-5X | 500g |
| GPC8036-Y  | 1kg  |

## Sodium Hydroxide Solution 0.1M (0.1N)

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|

### Contains:

Sodium Hydroxide : 0.1M (0.1N)  $\pm$  1%

Molecular Formula:  $\text{NaOH}$   
Molecular Weight: 40.0

| Code     | Pack |
|----------|------|
| VM1015-F | 2.5L |
| VM1015-G | 5L   |

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# Chemicals & Reagents

## Sodium Iodide 99.5-100.5% BP

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7681-82-5 | Einecs: 231-679-3 | UN3077 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: 99.5 - 100.5%  
Molecular Formula:  $\text{NaI}$   
Molecular Weight: 149.89 g/mol  
Boiling Point:  $1300^\circ\text{C}$   
Melting Point:  $651^\circ\text{C}$   
Density at  $20^\circ\text{C}$  ( $\text{g}/\text{cm}^3$ ): 3.67  
pH (5% soln  $20^\circ\text{C}$ ): 6-9  
Refractive Index: 1.7745



| Code       | Pack |
|------------|------|
| GPC8047-X  | 100g |
| GPC8047-2X | 250g |

## Sodium Metabisulphite 97-100.5% BP

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7681-57-4 | Einecs: 231-673-0 |  |  |
|-------------------|-------------------|--|--|



Minimum Assay:  $>95\%$   
Assay as  $\text{SO}_2$ :  $>64\%$   
Molecular Formula:  $\text{Na}_2\text{O}_5\text{S}_2$   
Molecular Weight: 190.10 g/mol  
Melting Point:  $>300^\circ\text{C}$   
Density at  $20^\circ\text{C}$  ( $\text{g}/\text{cm}^3$ ): 1.480  
pH (5% soln  $20^\circ\text{C}$ ): 4.5



| Code       | Pack |
|------------|------|
| GPC7107-5X | 500g |

## Sodium Metasilicate Anhydrous

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 6834-92-0 | Einecs: 229-912-9 | UN3253 |  |
|-------------------|-------------------|--------|--|



Molecular Formula:  $\text{Na}_2\text{O}_5\text{Si}$   
Molecular Weight: 122.06 g/mol  
Melting Point:  $1090^\circ\text{C}$   
Density at  $20^\circ\text{C}$  ( $\text{g}/\text{cm}^3$ ): 2.61  
pH (1% soln  $20^\circ\text{C}$ ): 12.5  
Silicon Dioxide: 45.0-47.0%  
Sodium Oxide: 49.5-51.5%



| Code       | Pack |
|------------|------|
| GPC6904-5X | 500g |

## Sodium Metasilicate Pentahydrate

|                    |                   |        |  |
|--------------------|-------------------|--------|--|
| Cas No: 10213-79-3 | Einecs: 229-912-9 | UN3253 |  |
|--------------------|-------------------|--------|--|



Molecular Formula:  $\text{Na}_2\text{SiO}_5 \cdot 5\text{H}_2\text{O}$   
Molecular Weight: 212.14 g/mol  
Melting Point:  $72^\circ\text{C}$   
Density at  $20^\circ\text{C}$  ( $\text{g}/\text{cm}^3$ ): 1.75



| Code       | Pack |
|------------|------|
| GPC6095-5X | 500g |

## Sodium Molybdate Dihydrate 98%

|                    |                   |  |  |
|--------------------|-------------------|--|--|
| Cas No: 10102-40-6 | Einecs: 231-551-7 |  |  |
|--------------------|-------------------|--|--|

Minimum Assay:  $<98\%$   
Molecular Formula:  $\text{Na}_2\text{MoO}_4 \cdot 2\text{H}_2\text{O}$   
Molecular Weight: 241.95 g/mol  
Melting Point:  $100^\circ\text{C}$   
Density at  $22^\circ\text{C}$  ( $\text{g}/\text{cm}^3$ ): 2.71  
pH (5% soln  $25^\circ\text{C}$ ): 7.0-10.5

| Code       | Pack |
|------------|------|
| GPC9807-2W | 50g  |

## Sodium Nitrate 99.5%

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7631-99-4 | Einecs: 231-554-3 | UN1498 |  |
|-------------------|-------------------|--------|--|



Minimum Assay:  $>99.5\%$   
Molecular Formula:  $\text{NaNO}_3$   
Molecular Weight: 84.99 g/mol  
Melting Point:  $308^\circ\text{C}$   
Density at  $20^\circ\text{C}$  ( $\text{g}/\text{cm}^3$ ): 2.26  
pH (5% soln  $20^\circ\text{C}$ ): 5.5-8.0  
Contains Anti-Caking Agent



| Code       | Pack |
|------------|------|
| GPC9297-5X | 500g |
| GPC9297-Y  | 1kg  |

## Sodium Nitrite 99.5%

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7632-00-0 | Einecs: 231-555-9 | UN1500 |  |
|-------------------|-------------------|--------|--|



Minimum Assay:  $>99.0 - 99.5\%$   
Molecular Formula:  $\text{NaNO}_2$   
Molecular Weight: 69.0 g/mol  
Melting Point:  $280^\circ\text{C}$   
Density at  $20^\circ\text{C}$  ( $\text{g}/\text{cm}^3$ ): 2.1  
pH (10% soln  $20^\circ\text{C}$ ): 9  
Contains Anti-Caking Agent



| Code       | Pack |
|------------|------|
| GPC7102-2X | 250g |
| GPC7102-5X | 500g |

## Sodium Oxalate 99.5%

|                 |                   |  |  |
|-----------------|-------------------|--|--|
| Cas No: 62-76-0 | Einecs: 200-550-3 |  |  |
|-----------------|-------------------|--|--|



Minimum Assay:  $>99.5\%$   
Molecular Formula:  $\text{Na}_2\text{C}_2\text{O}_4$   
Molecular Weight: 134.0 g/mol  
Melting Point:  $250-270^\circ\text{C}$   
Density at  $20^\circ\text{C}$  ( $\text{g}/\text{cm}^3$ ): 2.27  
pH (3% soln  $20^\circ\text{C}$ ): 8

| Code       | Pack |
|------------|------|
| GPC6854-X  | 100g |
| GPC6854-2X | 250g |
| GPC6854-5X | 500g |

## Sodium Persulphate 99% ACS

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7775-27-1 | Einecs: 231-892-1 | UN1505 |  |
|-------------------|-------------------|--------|--|



Minimum Assay:  $>99.0\%$   
Molecular Formula:  $\text{Na}_2\text{S}_2\text{O}_8$   
Molecular Weight: 238.10 g/mol  
Density at  $20^\circ\text{C}$  ( $\text{g}/\text{cm}^3$ ): 1.68  
pH (10% soln  $20^\circ\text{C}$ ): 3.5-3.8



| Code       | Pack |
|------------|------|
| GPC1054-2X | 250g |

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# Chemicals & Reagents

## Sodium Salicylate 99.5%

|                 |                   |  |  |
|-----------------|-------------------|--|--|
| Cas No: 54-21-7 | Einecs: 200-198-0 |  |  |
|-----------------|-------------------|--|--|



Minimum Assay: 99.5%  
Molecular Formula:  $\text{HO-C}_6\text{H}_4\text{-COONa}$   
Molecular Weight: 160.10 g/mol  
Melting Point: >300°C  
Density at 20°C (g/cm<sup>3</sup>): 0.32  
pH (10% soln 20°C): 6.5

| Code       | Pack |
|------------|------|
| GPC5523-2X | 250g |

## Sodium Silicate Solution 40% 0084

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 1344-09-8 | Einecs: 215-687-4 | UN3266 |  |
|-------------------|-------------------|--------|--|



Total alkali (as Na<sub>2</sub>O): 9.2-9.7%  
Wt ratio SiO<sub>2</sub>: Na<sub>2</sub>O: 3.18-3.28  
Density at 20°C (g/cm<sup>3</sup>): 1.410-1.430  
Equivalent twadell: 82.0-86.0  
Viscosity at 20°C: 650-1200 cps

| Code      | Pack |
|-----------|------|
| GPC5272-F | 2.5L |

## Sodium Sulphate 98% Anhydrous ACS

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7757-82-6 | Einecs: 231-820-9 |  |  |
|-------------------|-------------------|--|--|

Minimum Assay: >98%  
Molecular Formula: Na<sub>2</sub>SO<sub>4</sub>  
Molecular Weight: 142.04 g/mol  
Melting Point: 884°C  
Density at 25°C (g/cm<sup>3</sup>): 2.68  
pH (5% soln 25°C): 5.2-9.2

| Code       | Pack |
|------------|------|
| GPC9915-5X | 500g |
| GPC9915-Y  | 1kg  |

## Sodium Sulphate Decahydrate

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7727-73-3 | Einecs: 231-820-9 | UN1823 |  |
|-------------------|-------------------|--------|--|

Minimum Assay: 99%  
Molecular Formula: Na<sub>2</sub>SO<sub>4</sub>•10H<sub>2</sub>O  
Molecular Weight: 322.19 g/mol  
Melting Point: 32.4°C  
Density at 25°C (g/cm<sup>3</sup>): 1.464  
pH (5% soln 25°C): 5.2-8.0

| Code      | Pack |
|-----------|------|
| GPC1491-Y | 1kg  |

## Sodium Sulphide Flake

|                    |                   |        |  |
|--------------------|-------------------|--------|--|
| Cas No: 27610-45-3 | Einecs: 215-211-5 | UN1849 |  |
|--------------------|-------------------|--------|--|



Molecular Formula: Na<sub>2</sub>S•xH<sub>2</sub>O  
Molecular Weight: 78.04 g/mol  
Melting Point: 50°C

| Code      | Pack |
|-----------|------|
| GPC1830-X | 100g |

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## Sodium Sulphite Anhydrous 98% ACS

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7757-83-7 | Einecs: 231-821-4 |  |  |
|-------------------|-------------------|--|--|

Minimum Assay: >98%  
Molecular Formula: Na<sub>2</sub>SO<sub>3</sub>  
Molecular Weight: 126.05 g/mol  
Melting Point: 884°C  
Density at 20°C (g/cm<sup>3</sup>): 2.63  
pH (5% soln 20°C): 8.8-10

| Code       | Pack |
|------------|------|
| GPC9801-5X | 500g |

## Sodium Thiosulphate Anhydrous

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7772-98-7 | Einecs: 231-867-5 |  |  |
|-------------------|-------------------|--|--|

Minimum Assay: >99.0%  
Molecular Formula: Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>  
Molecular Weight: 158.10 g/mol  
Melting Point: 48°C  
Density at 20°C (g/cm<sup>3</sup>): 1.67  
pH (5% soln 20°C): 6.0-8.5

| Code       | Pack |
|------------|------|
| GPC8126-5X | 500g |
| GPC8126-Y  | 1kg  |
| GPC8126-3Y | 3kg  |

## Sodium Thiosulphate Pentahydrate 99%

|                    |                   |  |  |
|--------------------|-------------------|--|--|
| Cas No: 10102-17-7 | Einecs: 231-867-5 |  |  |
|--------------------|-------------------|--|--|

Minimum Assay: >99.0%  
Molecular Formula: Na<sub>2</sub>S<sub>2</sub>O<sub>5</sub>•5H<sub>2</sub>O  
Molecular Weight: 241.17 g/mol  
Melting Point: 48°C  
Density at 20°C (g/cm<sup>3</sup>): 1.74  
pH (10% soln 20°C): 6.0-7.5

| Code       | Pack |
|------------|------|
| GPC5273-5X | 500g |
| GPC5273-Y  | 1kg  |
| GPC5273-3Y | 3kg  |
| GPC5273-5Y | 5kg  |

## Sodium Thiosulphate Solution 0.1M (0.1N)

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|

### Contains:

Sodium Thiosulphate Solution: 0.1M (0.1N) +/-0.1%

Molecular Formula: Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>  
Molecular Weight: 158.10 g/mol

| Code     | Pack |
|----------|------|
| VM0069-F | 2.5L |
| VM0069-G | 5L   |

## Starch Soluble (Maize)

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 9005-84-9 | Einecs: 232-686-4 |  |  |
|-------------------|-------------------|--|--|

Moisture: <15%  
pH value: 3.5 - 7.0  
MVA Viscosity End: 700 - 1200 MVU  
Protein: <0.1% (ISO 3188)  
Ash: <0.35% (ISO 3593)  
Total Viable Count: <10,000/g  
(Incubation at 30°C for 3 days)  
Yeast and Moulds: <200/g  
(Culture at 25°C for 5 days)  
Certified Food Grade

| Code       | Pack |
|------------|------|
| GPC8082-5X | 500g |

# Chemicals & Reagents

## Starch Soluble (Potato)

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 9005-84-9 | Einecs: 232-686-4 |  |  |
|-------------------|-------------------|--|--|

Molecular Formula: (C<sub>6</sub>H<sub>10</sub>O<sub>5</sub>)<sub>n</sub>  
Solubility in water (% weight): Insoluble in water  
Sensitivity: Passes test  
Loss on drying at 105°C: <7.1%  
Chloride (Cl): <0.03%  
Sulphated ash: <0.2%  
Acidity: 1.0 ml N/1%

| Code       | Pack |
|------------|------|
| GPC8081-5X | 500g |

## Stearic Acid

|                 |                   |  |                    |
|-----------------|-------------------|--|--------------------|
| Cas No: 57-11-4 | Einecs: 200-313-4 |  | Flash Point: 196°C |
|-----------------|-------------------|--|--------------------|

Minimum Assay: >98%  
Molecular Formula: C<sub>18</sub>H<sub>36</sub>O<sub>2</sub>  
Molecular Weight: 284.48 g/mol  
Melting Point: 69-72°C  
Boiling Point: 232°C  
Density at 20°C (g/cm<sup>3</sup>): 0.941

| Code       | Pack |
|------------|------|
| GPC9654-2X | 250g |
| GPC9654-5X | 500g |

## Strontium Chloride Hexahydrate 99.68% EP

|                    |                   |  |  |
|--------------------|-------------------|--|--|
| Cas No: 10025-70-4 | Einecs: 233-971-6 |  |  |
|--------------------|-------------------|--|--|



Minimum Assay: 99.68%  
Molecular Formula: SrCl<sub>2</sub>•6H<sub>2</sub>O  
Molecular Weight: 266.62 g/mol  
Melting Point: 61°C  
Density at 20°C (g/cm<sup>3</sup>): 1.93  
pH (5% soln 25°C): 5-7  
Refractive Index: 1.650

| Code       | Pack |
|------------|------|
| GPC5275-X  | 100g |
| GPC5275-2X | 250g |

## Strontium Nitrate Anhydrous

|                    |                   |        |  |
|--------------------|-------------------|--------|--|
| Cas No: 10042-76-9 | Einecs: 233-131-9 | UN1507 |  |
|--------------------|-------------------|--------|--|



Molecular Formula : N<sub>2</sub>O<sub>8</sub>Sr  
Molecular Weight : 211.63 g/mol  
Boiling Point: 645°C  
Melting Point: 570°C  
Density at 20°C (g/cm<sup>3</sup>): 2.986  
pH (5% soln 20°C): 5-7

| Code       | Pack |
|------------|------|
| GPC9963-2X | 250g |

## Styrene 99% Stabilised

|                  |                   |        |                   |
|------------------|-------------------|--------|-------------------|
| Cas No: 100-42-5 | Einecs: 202-851-5 | UN2055 | Flash Point: 31°C |
|------------------|-------------------|--------|-------------------|



Minimum Assay: >99%  
Molecular Formula: C<sub>8</sub>H<sub>8</sub>  
Molecular Weight: 104.15 g/mol  
Boiling Point: 145-146°C  
Melting Point: -31°C  
Density at 25°C (g/cm<sup>3</sup>): 0.906  
Refractive Index: 1.5460  
Stabilised with 4-tert-butylcatechol

| Code      | Pack  |
|-----------|-------|
| GPS7701-B | 100ml |
| GPS7701-D | 500ml |

## Succinic Acid

|                  |                   |  |                    |
|------------------|-------------------|--|--------------------|
| Cas No: 110-15-6 | Einecs: 203-740-4 |  | Flash Point: 206°C |
|------------------|-------------------|--|--------------------|



Minimum Assay: 99%  
Molecular Formula: HO<sub>2</sub>CCH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>H  
Molecular Weight: 118.09 g/mol  
Boiling Point: 235°C  
Melting Point: 186-188°C  
Density at 20°C (g/cm<sup>3</sup>): 1.56  
pH (1% soln 20°C): 2.7

| Code      | Pack |
|-----------|------|
| GPC1019-X | 100g |

## Sucrose ACS,FG

|                 |                   |  |  |
|-----------------|-------------------|--|--|
| Cas No: 57-50-1 | Einecs: 200-334-9 |  |  |
|-----------------|-------------------|--|--|

Molecular Formula: C<sub>12</sub>H<sub>22</sub>O<sub>11</sub>  
Molecular Weight: 342.3 g/mol  
Melting Point: 185-187°C  
Colour (Solution): <32 ICUMSA Units  
Insoluble Matter: 5-10mg/Kg  
Particle Size: mean um 450-600, CV(%): 25-35

Microbiological:  
Yeasts: <50 per g  
Moulds: <50 per g  
Mesophilic Bacteria: <1200 per g

| Code       | Pack |
|------------|------|
| GPC0099-Y  | 1kg  |
| GPC0099-3Y | 3kg  |

## Sudan III 0.5% in 70% IMS

|  |  |        |  |
|--|--|--------|--|
|  |  | UN1170 |  |
|--|--|--------|--|



### Contains:

Ethanol: <70%  
Sudan III: <1%

| Code      | Pack  |
|-----------|-------|
| RRSP244-B | 100ml |

## Sudan III C.I.26100

|                 |                   |  |  |
|-----------------|-------------------|--|--|
| Cas No: 85-86-9 | Einecs: 201-638-4 |  |  |
|-----------------|-------------------|--|--|

Dye Content: >85%  
Molecular Formula: C<sub>22</sub>H<sub>16</sub>N<sub>4</sub>O  
Molecular Weight: 352.39 g/mol  
Melting Point: 199°C

| Code     | Pack |
|----------|------|
| RRBD26-U | 10g  |

## Sulphamic Acid 99.5% ACS

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 5329-14-6 | Einecs: 226-218-8 | UN2967 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: >99.5%  
Molecular Formula: H<sub>2</sub>NSO<sub>3</sub>H  
Molecular Weight: 97.09 g/mol  
Melting Point: 205°C  
Density at 25°C (g/cm<sup>3</sup>): 2.151  
pH (1% soln 20°C): 1.5

| Code       | Pack |
|------------|------|
| GPC9293-5X | 500g |

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# Chemicals & Reagents

## Sulphanilic Acid 99%

|                  |                   |  |  |
|------------------|-------------------|--|--|
| Cas No: 121-57-3 | Einecs: 204-482-5 |  |  |
|------------------|-------------------|--|--|



Minimum Assay: >99%  
Molecular Formula:  $C_6H_5NO_2S$   
Molecular Weight: 173.2 g/mol  
Melting Point: >300°C  
Density at 20°C (g/cm<sup>3</sup>): 1.48

| Code      | Pack |
|-----------|------|
| GPC9700-X | 100g |

## Sulphur Powder

|                   |                   |        |                    |
|-------------------|-------------------|--------|--------------------|
| Cas No: 7704-34-9 | Einecs: 231-722-6 | UN1350 | Flash Point: 207°C |
|-------------------|-------------------|--------|--------------------|



Minimum Assay: >99%  
Molecular Formula: S  
Molecular Weight: 32.06 g/mol  
Boiling Point: 444°C  
Melting Point: 117-120°C  
Density at 25°C (g/cm<sup>3</sup>): 2.07  
Resistivity: 2E23 μΩ-cm

| Code       | Pack |
|------------|------|
| GPC8844-5X | 500g |
| GPC8844-Y  | 1kg  |

## Sulphuric Acid 96%

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7664-93-9 | Einecs: 231-639-5 | UN1830 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: 95.5-97%  
Molecular Formula:  $H_2SO_4$   
Molecular Weight: 98.07 g/mol  
Boiling Point: ~290°C  
Melting Point: 3°C  
Density at 25°C (g/cm<sup>3</sup>): 1.840

| Code      | Pack |
|-----------|------|
| GPC9000-E | 1L   |
| GPC9000-F | 2.5L |

## Sulphuric Acid Solution 0.05M (0.1N)

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|

### Contains:

Sulphuric Acid: 0.05M (0.1N) +/- 1%

Molecular Formula:  $H_2SO_4$   
Molecular Weight: 98.08 g/mol

| Code     | Pack |
|----------|------|
| VM1016-E | 1L   |
| VM1016-F | 2.5L |

## Sulphuric Acid Solution 0.5M (1.0N)

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|

### Contains:

Sulphuric Acid: 0.5M (1.0N) +/- 1%

Molecular Formula:  $H_2SO_4$   
Molecular Weight: 98.08 g/mol

| Code     | Pack |
|----------|------|
| VM1014-E | 1L   |
| VM1014-F | 2.5L |

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## Sulphuric Acid Solution 1.0M (2.0N)

|  |  |        |  |
|--|--|--------|--|
|  |  | UN2796 |  |
|--|--|--------|--|



### Contains:

Sulphuric Acid: 1.0M (2.0N) +/- 1%

Molecular Formula:  $H_2SO_4$   
Molecular Weight: 98.08 g/mol

| Code     | Pack |
|----------|------|
| VM5336-E | 1L   |

## Sulphuric Acid Solution 2.0M (4.0N)

|  |  |        |  |
|--|--|--------|--|
|  |  | UN2796 |  |
|--|--|--------|--|



### Contains:

Sulphuric Acid: 2.0M (4.0N) +/- 1%

Molecular Formula:  $H_2SO_4$   
Molecular Weight: 98.08 g/mol

| Code     | Pack |
|----------|------|
| VM5281-E | 1L   |

## Talcum Powder Fine Extra Pure

|                    |                   |  |  |
|--------------------|-------------------|--|--|
| Cas No: 14807-96-6 | Einecs: 238-877-9 |  |  |
|--------------------|-------------------|--|--|

Molecular Formula:  $3MgO \cdot 4SiO_2 \cdot H_2O$   
Molecular Weight: 379.27 g/mol  
Melting Point: >1300°C  
Density at 20°C (g/cm<sup>3</sup>): 2.75  
pH (5% slurry 20°C): 7.0-9.0

| Code       | Pack |
|------------|------|
| GPC5518-Y  | 1kg  |
| GPC5518-5Y | 5kg  |

## Tannic Acid

|                   |                   |  |                    |
|-------------------|-------------------|--|--------------------|
| Cas No: 1401-55-4 | Einecs: 215-753-2 |  | Flash Point: 199°C |
|-------------------|-------------------|--|--------------------|

Molecular Formula:  $C_{76}H_{52}O_{46}$   
Molecular Weight: 1701.20 g/mol  
Melting Point: 218°C  
pH (10% soln 20°C): 3.5

| Code      | Pack |
|-----------|------|
| GPC1005-X | 100g |

## L (+) Tartaric Acid 99.7-100.5% Ph Eur,BP,ACS,USP

|                 |                   |  |                    |
|-----------------|-------------------|--|--------------------|
| Cas No: 87-69-4 | Einecs: 201-766-0 |  | Flash Point: 150°C |
|-----------------|-------------------|--|--------------------|



Minimum Assay: >99.7%  
Molecular Formula:  $C_4H_6O_6$   
Molecular Weight: 150.09 g/mol  
Melting Point: 168-170°C  
pH (15% soln 25°C): 1.0-2.0

| Code       | Pack |
|------------|------|
| GPC6332-5X | 500g |

## Tetrahydrofuran 99.95%

|                  |                   |        |                    |
|------------------|-------------------|--------|--------------------|
| Cas No: 109-99-9 | Einecs: 203-726-8 | UN2056 | Flash Point: -17°C |
|------------------|-------------------|--------|--------------------|



Minimum Assay: >99%  
Molecular Formula:  $C_4H_8O$   
Molecular Weight: 72.11 g/mol  
Boiling Point: 66°C  
Melting Point: -108°C  
Density at 25°C (g/cm<sup>3</sup>): 0.889  
Refractive Index: 1.407



| Code      | Pack  |
|-----------|-------|
| GPC9803-D | 500ml |

# Chemicals & Reagents

## Thymol Blue 0.04% Solution 20% Alcoholic

|  |  |        |  |
|--|--|--------|--|
|  |  | UN1170 |  |
|--|--|--------|--|



### Contains:

Thymol Blue: 0.04%  
Ethanol: <20%

| Code       | Pack  |
|------------|-------|
| RRSP6541-B | 500ml |

## Thymol Blue Free Acid ACS

|                 |                   |  |  |
|-----------------|-------------------|--|--|
| Cas No: 76-61-9 | Einecs: 200-973-3 |  |  |
|-----------------|-------------------|--|--|

Molecular Formula:  $C_{10}H_8O_5S$   
Molecular Weight: 466.59 g/mol  
Melting Point: 221-224°C  
Visual transition interval (acid range): pH 1.2 (red) - pH 2.8 (yellow)  
Visual transition interval (alkaline range): pH 8.0 (yellow) - pH 9.2 (blue)  
Loss on drying: < 5.0%

| Code        | Pack |
|-------------|------|
| RRBD33556-T | 5g   |

## Thymol Crystals 99%

|                 |                   |        |                    |
|-----------------|-------------------|--------|--------------------|
| Cas No: 89-83-8 | Einecs: 201-944-8 | UN2430 | Flash Point: 101°C |
|-----------------|-------------------|--------|--------------------|



Minimum Assay: 99%  
Molecular Formula:  $C_{10}H_8O$   
Molecular Weight: 150.22 g/mol  
Boiling Point: 232°C  
Melting Point: 48-51°C  
Density at 25°C (g/cm<sup>3</sup>): 0.965



| Code       | Pack |
|------------|------|
| GPC3573-2W | 50g  |
| GPC3573-X  | 100g |

## Tin (II) Chloride dihydrate ACS (Stannous Chloride)

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7772-99-8 | Einecs: 231-868-0 | UN3260 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: >99%  
Molecular Formula:  $SnCl_2$   
Molecular Weight: 189.62 g/mol  
Boiling Point: 652°C  
Melting Point: 246°C  
Density at 20°C (g/cm<sup>3</sup>): 3.95  
pH (10% soln 20°C): 2.0



| Code      | Pack |
|-----------|------|
| GPC9800-X | 100g |

## Tin (II) Oxide 98.5%

|                    |                   |  |  |
|--------------------|-------------------|--|--|
| Cas No: 21651-19-4 | Einecs: 244-499-5 |  |  |
|--------------------|-------------------|--|--|

Minimum Assay: >98.5%  
Molecular Formula:  $SnO$   
Molecular Weight: 134.71 g/mol  
Melting Point: 1080°C

| Code      | Pack |
|-----------|------|
| GPC3345-X | 100g |

## Tin (IV) Oxide 99.85%

|                    |                   |  |  |
|--------------------|-------------------|--|--|
| Cas No: 18282-10-5 | Einecs: 242-159-0 |  |  |
|--------------------|-------------------|--|--|

Minimum Assay: 99%  
Molecular Formula:  $SnO_2$   
Molecular Weight: 150.71 g/mol  
Boiling Point: 1800-1900°C  
Melting Point: 1630°C  
Density at 25°C (g/cm<sup>3</sup>): 6.95

| Code      | Pack |
|-----------|------|
| GPC9965-X | 100g |

## Tin Metal Foil 0.2mm

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 7440-31-5 | Einecs: 231-141-8 |  |  |
|-------------------|-------------------|--|--|

Minimum Assay: >99.9%  
Molecular Formula: Sn  
Molecular Weight: 118.71 g/mol  
Boiling Point: 2270°C  
Melting Point: 231°C  
Resistivity: 11 μΩ-cm  
Thickness: 0.2 mm

| Code      | Pack |
|-----------|------|
| GPC7747-X | 100g |

## Toluene 99.5% ACS

|                  |                   |        |                  |
|------------------|-------------------|--------|------------------|
| Cas No: 108-88-3 | Einecs: 203-625-9 | UN1294 | Flash Point: 4°C |
|------------------|-------------------|--------|------------------|



Minimum Assay: 99.5%  
Molecular Formula:  $C_7H_8$   
Molecular Weight: 92.14 g/mol  
Boiling Point: 110.6°C  
Melting Point: -95°C  
Density at 20°C (g/cm<sup>3</sup>): 0.87  
Non-aromatic content: 0.2%  
Benzene Content: 0.05%

| Code      | Pack  |
|-----------|-------|
| GPS1009-D | 500ml |
| GPS1009-E | 1L    |
| GPS1009-F | 2.5L  |

## Toluidine Blue (1% Aqueous)

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|

### Contains:

Toluidine Blue: <1%

| Code      | Pack  |
|-----------|-------|
| RRSP146-B | 100ml |

## Toluidine Blue O C.I. 52040

|                 |                   |  |  |
|-----------------|-------------------|--|--|
| Cas No: 92-31-9 | Einecs: 202-146-2 |  |  |
|-----------------|-------------------|--|--|

Dye Content: >80%  
Molecular Formula:  $C_{15}H_{10}ClN_3S$   
Molecular Weight: 305.83 g/mol  
Melting Point: 156-158°C  
Absorptivity (1%/1cm): >1200  
Loss on drying: <8.0%  
Solubility (0.1% dist. Water): Clear blue solution

| Code     | Pack |
|----------|------|
| RRBD88-T | 5g   |

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# Chemicals & Reagents

## Trichloroacetic Acid 99.0%

|                 |                   |        |                     |
|-----------------|-------------------|--------|---------------------|
| Cas No: 76-03-9 | Einecs: 200-927-2 | UN1839 | Flash Point: >113°C |
|-----------------|-------------------|--------|---------------------|



Minimum Assay: >99.0%  
Molecular Formula:  $\text{Cl}_3\text{CCOO}_2\text{H}$   
Molecular Weight: 163.39 g/mol  
Boiling Point: 196°C  
Melting Point: 54-58°C  
Density at 25°C (g/cm<sup>3</sup>): 1.62



| Code      | Pack |
|-----------|------|
| GPC8676-X | 100g |

## 2,2,4-Trimethylpentane

|                  |                   |        |                    |
|------------------|-------------------|--------|--------------------|
| Cas No: 540-84-1 | Einecs: 208-759-1 | UN1262 | Flash Point: -12°C |
|------------------|-------------------|--------|--------------------|



Minimum Assay: 99.8%  
Molecular Formula:  $\text{C}_8\text{H}_{18}$   
Molecular Weight: 114.23 g/mol  
Boiling Point: 98-99°C  
Melting Point: -107°C  
Density at 25°C (g/cm<sup>3</sup>): 0.692  
Refractive Index: 1.391

| Code      | Pack  |
|-----------|-------|
| GPS1266-D | 500ml |

## Tri Potassium Citrate 99-100.5% Monohydrate

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 6100-05-6 | Einecs: 212-755-5 | UN1830 |  |
|-------------------|-------------------|--------|--|

Minimum Assay: 99-100.5%  
Molecular Formula:  $\text{K}_3\text{C}_6\text{H}_5\text{O}_7\cdot\text{H}_2\text{O}$   
Molecular Weight: 324.42 g/mol  
Melting Point: 230°C  
Density at 20°C (g/cm<sup>3</sup>): 1.98  
pH (5% soln 20°C): 7.5-9

| Code       | Pack |
|------------|------|
| GPC2165-5X | 500g |

## Tri-Sodium Citrate 99% ACS,USP,Ph Eur,FCC

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 6132-04-3 | Einecs: 200-675-3 |  |  |
|-------------------|-------------------|--|--|

Minimum Assay: 99.0-100.5%  
Molecular Formula:  $\text{C}_6\text{H}_5\text{Na}_3\text{O}_7\cdot 2\text{H}_2\text{O}$   
Molecular Weight: 294.1 g/mol  
Melting Point: 150°C  
pH (5% soln 25°C): 7.5-9.0

| Code       | Pack |
|------------|------|
| GPC8031-5X | 500g |

## Trypsin from Porcine Pancreas 250u/mg USP

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 9002-07-7 | Einecs: 232-650-8 |  |  |
|-------------------|-------------------|--|--|

Typical Working Concentration: 0.1-1%  
Optimum Working pH: 5-10.5  
Working Temperature Range: 20-65°C  
Substrate: Protein Solutions  
Product: Peptides and AA's  
Source: Porcine Pancreas  
Shelf Life: 6 months (12 months in fridge)

| Code      | Pack |
|-----------|------|
| GPC5566-U | 10g  |
| GPC5566-W | 25g  |

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## Turpentine Oil

|                   |                   |        |                   |
|-------------------|-------------------|--------|-------------------|
| Cas No: 8006-64-2 | Einecs: 232-350-7 | UN1299 | Flash Point: 36°C |
|-------------------|-------------------|--------|-------------------|



Appearance: Colourless liquid  
Boiling Point: 153-175°C  
Melting Point: -55°C  
Density at 25°C (g/cm<sup>3</sup>): 0.86



| Code      | Pack  |
|-----------|-------|
| GPS1650-D | 500ml |

## L-Tyrosine 98.5-101.5% USP

|                 |                   |  |  |
|-----------------|-------------------|--|--|
| Cas No: 60-18-4 | Einecs: 200-460-4 |  |  |
|-----------------|-------------------|--|--|

Minimum Assay: 98.5- 101.5%  
Molecular Formula:  $\text{C}_9\text{H}_9\text{NO}_3$   
Molecular Weight: 181.19  
Melting Point: 343°C

| Code      | Pack |
|-----------|------|
| GPC2369-W | 25g  |

## Universal Indicator pH 1-14

|  |  |        |  |
|--|--|--------|--|
|  |  | UN1170 |  |
|--|--|--------|--|



### Contains:

Methyl Orange: <1%  
Methyl Red: <1%  
Bromothymol Blue: <1%  
Phenolphthalein : <1%  
Denatured Ethanol: <70%

| Code       | Pack  |
|------------|-------|
| RRSP4455-D | 500ml |

## Universal Indicator Solution pH 4-11

|  |  |        |  |
|--|--|--------|--|
|  |  | UN1170 |  |
|--|--|--------|--|



### Contains:

Methyl Red: <1%  
Phenolphthalein: <1%  
Bromothymol Blue: <1%  
Denatured Ethanol: <50%

| Code       | Pack  |
|------------|-------|
| RRSP4459-C | 250ml |
| RRSP4459-D | 500ml |
| RRSP4459-E | 1L    |
| RRSP4459-F | 2.5L  |

## Urea 97.5% (Prills)

|                 |                   |  |                    |
|-----------------|-------------------|--|--------------------|
| Cas No: 57-13-6 | Einecs: 200-315-5 |  | Flash Point: 150°C |
|-----------------|-------------------|--|--------------------|

Minimum Assay: >97.5%  
Molecular Formula:  $\text{CH}_4\text{N}_2\text{O}$   
Molecular Weight: 60.06 g/mol  
Melting Point: 132.7°C  
Density at 20°C (g/cm<sup>3</sup>): 1.34  
pH (10% soln 20°C): 9

| Code       | Pack |
|------------|------|
| GPC9906-5X | 500g |

# Chemicals & Reagents

## Vanadium (V) Oxide 99%

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 1314-62-1 | Einecs: 215-239-8 | UN2862 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: 98%  
Molecular Formula:  $\text{V}_2\text{O}_5$   
Molecular Weight: 181.88 g/mol  
Melting Point: 690°C  
Density at 20°C (g/cm<sup>3</sup>): 3.35  
pH (5% slurry 20°C): 4



| Code      | Pack |
|-----------|------|
| GPC1312-W | 25g  |

## White Spirit

|                    |                   |        |                   |
|--------------------|-------------------|--------|-------------------|
| Cas No: 64742-82-1 | Einecs: 265-185-4 | UN1300 | Flash Point: 55°C |
|--------------------|-------------------|--------|-------------------|



Aromatics: <20%  
Distillation Range: 155-170°C  
Density at 20°C (g/cm<sup>3</sup>): 0.78  
Refractive Index: 1.437

| Code      | Pack |
|-----------|------|
| GPS9024-E | 1L   |
| GPS9024-F | 2.5L |



## Xylene 98.0-99.0% (Mixture of Isomers)

|                   |                   |        |                   |
|-------------------|-------------------|--------|-------------------|
| Cas No: 1330-20-7 | Einecs: 215-535-7 | UN1307 | Flash Point: 25°C |
|-------------------|-------------------|--------|-------------------|



Minimum Assay: 98-99%  
Molecular Formula:  $\text{C}_8\text{H}_{10}$   
Molecular Weight: 106.17 g/mol  
Boiling Point: 136-143°C  
Melting Point: -34°C  
Density at 25°C (g/cm<sup>3</sup>): 0.86  
Refractive Index: 1.497

| Code      | Pack  |
|-----------|-------|
| GPS1001-D | 500ml |
| GPS1001-F | 2.5L  |



## Yeast Dried Active Powder

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|

Typical Analysis per 100 g:  
Calories: 385kcal  
Moisture: 4 g  
Protein: 44 g  
Ash: 6 g  
Carbohydrates: 38 g  
Fat: 6 g  
Vitamin C: 317 g  
Calcium: 86 mg  
Sodium: 73 mg  
Iron: 49 mg

| Code      | Pack |
|-----------|------|
| BY9600-2X | 250g |
| BY9600-5X | 500g |

## Zinc Acetate Anhydrous 97%

|                  |                   |        |  |
|------------------|-------------------|--------|--|
| Cas No: 557-34-6 | Einecs: 209-170-2 | UN3077 |  |
|------------------|-------------------|--------|--|



Minimum Assay: >97%  
Molecular Formula:  $(\text{CH}_3\text{COO})_2\text{Zn}$   
Molecular Weight: 183.48 g/mol  
Melting Point: 200°C  
Density at 25°C (g/cm<sup>3</sup>): 1.84

| Code       | Pack |
|------------|------|
| GPC1134-2X | 250g |



## Zinc Acetate Dihydrate 99.9% ACS

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 5970-45-6 | Einecs: 209-170-2 | UN3077 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: >99.9%  
Molecular Formula:  $\text{Zn}(\text{CH}_3\text{COO})_2\cdot 2\text{H}_2\text{O}$   
Molecular Weight: 219.50 g/mol  
Melting Point: 237°C  
Density at 20°C (g/cm<sup>3</sup>): 1.840  
pH (5% soln 25°C): 6.0-8.0



| Code        | Pack |
|-------------|------|
| GPC25044-2X | 250g |

## Zinc (II) Bromide Anhydrous 98%

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7699-45-8 | Einecs: 231-718-4 | UN3260 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: 98%  
Molecular Formula:  $\text{Br}_2\text{Zn}$   
Molecular Weight: 225.2 g/mol  
Boiling Point: 697°C  
Melting Point: 394°C  
Density at 20°C (g/cm<sup>3</sup>): 4.2



| Code      | Pack |
|-----------|------|
| GPC9944-X | 100g |

## Zinc Carbonate 99% (Zn>55.5%)

|                   |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 5263-02-5 | Einecs: 226-076-7 |  |  |
|-------------------|-------------------|--|--|



Assay (as ZnO): >69%  
Molecular Formula:  $\text{Zn}_5(\text{CO}_3)_2(\text{OH})_6$   
Molecular Weight: 548.97 g/mol  
Melting Point: 1970°C  
Density at 20°C (g/cm<sup>3</sup>): 3.5

| Code       | Pack |
|------------|------|
| GPC9305-5X | 500g |

## Zinc Chloride 97% ACS

|                   |                   |        |  |
|-------------------|-------------------|--------|--|
| Cas No: 7646-85-7 | Einecs: 231-592-0 | UN2331 |  |
|-------------------|-------------------|--------|--|



Minimum Assay: >97%  
Molecular Formula:  $\text{ZnCl}_2$   
Molecular Weight: 136.28 g/mol  
Boiling Point: 732°C  
Melting Point: 283°C  
Density at 22°C (g/cm<sup>3</sup>): 2.93  
pH (10% soln 20°C): 5



| Code       | Pack |
|------------|------|
| GPC7108-5X | 500g |

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# Chemicals & Reagents

| Zinc Metal Foil 0.38mm |                   |  |  |
|------------------------|-------------------|--|--|
| Cas No: 7440-66-6      | Einecs: 231-175-3 |  |  |

|                                                                                                                                                        |  |          |      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------|------|
| Molecular Formula: Zn<br>Molecular Weight: 65.39 g/mol<br>Boiling Point: 907°C<br>Melting Point: 420°C<br>Resistivity: 5.8 µΩ-cm<br>Thickness: 0.38 mm |  | Code     | Pack |
|                                                                                                                                                        |  | A9816-2X | 500g |

| Zinc Nitrate Hexahydrate |                   |        |  |
|--------------------------|-------------------|--------|--|
| Cas No: 10196-18-6       | Einecs: 231-943-8 | UN1514 |  |

|                                                                                  |                                                                                                                                                                                                      |            |      |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------|
|  |                                                                                                                                                                                                      | Code       | Pack |
|  | Minimum Assay: 98%<br>Molecular Formula: Zn(NO <sub>3</sub> ) <sub>2</sub> ·6H <sub>2</sub> O<br>Molecular Weight: 297.47 g/mol<br>Melting Point: 36°C<br>Density at 20°C (g/cm <sup>3</sup> ): 2.07 | GPC5874-2X | 250g |
|  |                                                                                                                                                                                                      | GPC5874-5X | 500g |

| Zinc Oxide 99.9% ACS,USP,Ph Eur,BP |                   |        |  |
|------------------------------------|-------------------|--------|--|
| Cas No: 1314-13-2                  | Einecs: 215-222-5 | UN3077 |  |

|                                                                                  |                                                                                                                                  |            |      |
|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------|------|
|  | Minimum Assay: >99.9%<br>Molecular Formula: ZnO<br>Molecular Weight: 81.39 g/mol<br>Boiling Point: 732°C<br>Melting Point: 283°C | Code       | Pack |
|                                                                                  |                                                                                                                                  | GPC8049-5X | 500g |

| Zinc Sulphate Heptahydrate 99.0-102.0% |                   |        |  |
|----------------------------------------|-------------------|--------|--|
| Cas No: 7446-20-0                      | Einecs: 231-793-3 | UN3077 |  |

|                                                                                    |                                                                                                                                                                                                                                                                         |            |      |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------|
|  |                                                                                                                                                                                                                                                                         | Code       | Pack |
|  | Minimum Assay: 102.46%<br>Molecular Formula: ZnSO <sub>4</sub> ·7H <sub>2</sub> O<br>Molecular Weight: 287.46 g/mol<br>Melting Point: 100°C<br>Density at 20°C (g/cm <sup>3</sup> ): 1.97<br>pH (5% soln 20°C): 4-6<br>ZnSO <sub>4</sub> : <57.53%<br>Zinc (Zn): <23.3% | GPC8050-2X | 250g |
|  |                                                                                                                                                                                                                                                                         | GPC8050-5X | 500g |
|                                                                                    |                                                                                                                                                                                                                                                                         | GPC8050-Y  | 1kg  |

| Zinc Sulphide 98% |                   |  |  |
|-------------------|-------------------|--|--|
| Cas No: 1314-98-3 | Einecs: 215-251-3 |  |  |

|                                                                                                                                                     |  |            |      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|--|------------|------|
| Minimum Assay: 98%<br>Molecular Formula: ZnS<br>Molecular Weight: 97.46 g/mol<br>Melting Point: 1700°C<br>Density at 25°C (g/cm <sup>3</sup> ): 4.1 |  | Code       | Pack |
|                                                                                                                                                     |  | GPC7531-2X | 250g |

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# Index

|                                                        |    |                                               |    |
|--------------------------------------------------------|----|-----------------------------------------------|----|
| Acetaldehyde 99%                                       | 6  | Beeswax MP 58-65 deg C                        | 11 |
| Acetamide 99%                                          | 6  | Benedicts Solution Qualitative                | 11 |
| Acetic Acid 1.0M (1.0N) Solution                       | 6  | Benedicts Solution Quantitative               | 11 |
| Acetic Acid 99.85% ACS,USP,EP,FCC,FG                   | 6  | Bentonite                                     | 11 |
| Acetic Anhydride 98% (GW)                              | 6  | Benzaldehyde 99.5% ACS                        | 11 |
| Acetone 99.5% BP                                       | 6  | Benzoic Acid 99.5% Ph Eur / ACS               | 12 |
| Acetyl Chloride 98%                                    | 6  | Benzoyl Chloride 99%                          | 12 |
| Adenosine-5-triphosphoric acid disodium salt (ATP)     | 6  | Benzyl Alcohol 99.9% USP,Ph Eur,BP,ACS        | 12 |
| Agar Nutrient                                          | 6  | Biuret Solution                               | 12 |
| Agar Powder (Bacteriological)                          | 6  | Borax Decahydrate 99.5-105% ACS               | 12 |
| DL-Alanine 99% Food Grade                              | 7  | Boric Acid 99.9-100.9%                        | 12 |
| L-Alanine 98.5-101%                                    | 7  | Bromobenzene 99%                              | 12 |
| Alizarin Red Sodium Salt C.I.58005                     | 7  | 1-Bromobutane 99%                             | 12 |
| Aluminium Ammonium Sulphate Dodecahydrate 99%          | 7  | 2-Bromobutane 98%                             | 12 |
| Aluminium Chloride Anhydrous                           | 7  | Bromocresol Green 0.04% Alcoholic Indicator   | 12 |
| Aluminium Chloride Hexahydrate 99.9% ACS,Ph Eur,BP,USP | 7  | Bromocresol Green Sodium Salt                 | 13 |
| Aluminium Hydroxide                                    | 7  | Bromocresol Purple 0.04% Alcoholic Indicator  | 13 |
| Aluminium Metal Powder (fine)                          | 7  | Bromocresol Purple Free Acid                  | 13 |
| Aluminium Nitrate Nonahydrate 98%                      | 7  | 2-Bromo-2-methylpropane 98%                   | 13 |
| Aluminium Oxide 99% Calcined                           | 7  | Bromophenol Blue 0.04% Aqueous pH Indicator   | 13 |
| Aluminium Potassium Sulphate 99.5% ACS                 | 7  | Bromophenol Blue 0.04% Solution 20% Alcoholic | 13 |
| Aluminium Sheets 100 x50 x 0.5mm (10 Sheets)           | 7  | Bromophenol Blue Indicator ACS                | 13 |
| Aluminium Sulphate 17% (Iron Free)                     | 8  | Bromothymol Blue 0.04% pH Indicator           | 13 |
| 3-Aminophthaloylhydrazine 97% (Luminol)                | 8  | Bromothymol Blue 0.04% Solution 20% Alcoholic | 13 |
| Ammonia Solution 33-34% SG0.88                         | 8  | Bromothymol Blue sodium salt                  | 13 |
| Ammonium Acetate 97%                                   | 8  | Buffer Solution (Glycine) pH 2.0              | 13 |
| Ammonium Bromide 99.5%                                 | 8  | Buffer Solution pH 3.0                        | 14 |
| Ammonium Carbonate 30%+ ACS                            | 8  | Buffer Solution pH 4.0                        | 14 |
| Ammonium Chloride 99.5%                                | 8  | Buffer Solution pH 5.0                        | 14 |
| Ammonium Dichromate 99.5% ACS                          | 8  | Buffer Solution pH6.0                         | 14 |
| Ammonium Iron (II) Sulphate Hexahydrate 99.9%          | 8  | Buffer Solution pH7.0                         | 14 |
| Ammonium Iron (III) Citrate 18%                        | 8  | Buffer Solution pH 8.0                        | 14 |
| Ammonium Iron (III) Sulphate Dodecahydrate 99%         | 9  | Buffer Solution pH 9.0                        | 14 |
| Ammonium Molybdate Tetrahydrate 99% ACS                | 9  | Buffer Solution pH10                          | 14 |
| Ammonium Nickel Sulphate Hexahydrate 98.5%             | 9  | Buffer Tablets pH 4.2 to make 100ml           | 14 |
| Ammonium Nitrate 98%                                   | 9  | Buffer Tablets pH 7.0 to make 100ml           | 15 |
| Ammonium Oxalate Monohydrate 99% ACS                   | 9  | Buffer Tablets pH 7.0 to make 1L              | 15 |
| Ammonium Persulphate 98%                               | 9  | Buffer Tablets pH 9.2 to make 100ml           | 15 |
| Ammonium Sulphate 99.5% ACS                            | 9  | Butan-1-ol 99.4% ACS                          | 15 |
| Ammonium Thiocyanate 98%                               | 9  | Butan-2-ol 99.5% ACS                          | 15 |
| Amylase AD11MDP 30000 BC Kosher Parev                  | 9  | Butanoic Acid 99% Food Grade                  | 15 |
| Aniline 99%                                            | 9  | Butyl Acetate 99%                             | 15 |
| Aniline Blue C.I. 42755                                | 10 | Butylamine 99.5%                              | 15 |
| Aniline Hydrochloride 99%                              | 10 | Caffeine Anhydrous 98.5- 101.0% BP,USP, EP7   | 15 |
| Anti Bumping Granules                                  | 10 | Calcium Acetate 99%                           | 15 |
| Aquadag 18%                                            | 10 | Calcium Carbide                               | 15 |
| Artificial Crude Oil                                   | 10 | Calcium Carbonate 96.8%                       | 16 |
| L(+) Ascorbic Acid 99-100.5% BP,USP,FCC8               | 10 | Calcium Chloride 77.5%                        | 16 |
| DL-Aspartic Acid 99%                                   | 10 | Calcium Chloride Hexahydrate 98%              | 16 |
| L-Aspartic Acid 98.5-101.5% USP, FCC                   | 10 | Calcium Hydroxide 98%                         | 16 |
| Barfoeds Reagent                                       | 10 | Calcium Hypochlorite 65%                      | 16 |
| Barium Carbonate 99%                                   | 10 | Calcium Nitrate Tetrahydrate 99-102.0% ACS    | 16 |
| Barium Chloride Dihydrate 99.3%                        | 10 | Calcium Oxide 96% High Reactivity Fine        | 16 |
| Barium Diphenylamine-4-sulfonate 98-102%               | 11 | Calcium Oxide 96.1% High Reactivity Lump      | 16 |
| Barium Hydroxide Octahydrate GRG                       | 11 | Calcium Sulphate di-Hydrate 99% (E516 FG)     | 16 |
| Barium Nitrate 99%                                     | 11 | Calcium Sulphate Hemihydrate 96%              | 16 |
| Barium Peroxide 90% Anhydrous                          | 11 | Calcium Tetrahydrogen Di-Orthophosphate       |    |
| Barium Sulphate 97%                                    | 11 | Monohydrate                                   | 16 |
| Basic Fuchsin C.I. 42510                               | 11 | Camphor Synthetic 95%                         | 17 |



# Index

|                                                          |    |                                                      |    |                                                                |    |                                               |    |
|----------------------------------------------------------|----|------------------------------------------------------|----|----------------------------------------------------------------|----|-----------------------------------------------|----|
| Carbol Fuchsin (Gram)                                    | 17 | Dichloromethane 99.9% ACS                            | 23 | Indigo Carmine ACS/USP C.I. 73015                              | 28 | Magnesium Turnings 99%                        | 34 |
| Carbol Fuchsin (ZN)                                      | 17 | Diethyl Ether 99.5% Anhydrous ACS,EP (GW)            | 23 | 3-indoleacetic acid 98%                                        | 28 | Malachite Green Oxalate Crystals C.I. 42000   | 34 |
| Carbon Disulfide 99.9% ACS                               | 17 | Diethylamine 99.9%                                   | 23 | Industrial Methylated Spirits 70%                              | 28 | Maltose Monohydrate 90%                       | 34 |
| Carmine Acetic                                           | 17 | Di-Lauroyl Peroxide 97%                              | 23 | Industrial Methylated Spirits 99.9%                            | 29 | Manganese (II) Chloride Tetrahydrate 98%      | 34 |
| Castor Oil BP                                            | 17 | 3,5-Dinitrobenzoic acid 99%                          | 23 | Invertase Concentrate 5000 SU/ml from Saccharomyces cerevisiae | 29 | Manganese (IV) Oxide 75%                      | 34 |
| Catechol 99%                                             | 17 | Diphenylamine 98%                                    | 23 | Iodine 1% Solution in Potassium Iodide                         | 29 | Manganese (metal) Electrolytic                | 35 |
| Cerium (IV) Sulphate 99.95%                              | 17 | di-Potassium disulphite                              | 23 | Iodine 99.8% BP99                                              | 29 | D-Mannitol 96.0-102.0% USP,EP                 | 35 |
| Charcoal Activated Granular                              | 17 | di-Sodium Hydrogen Phosphate Anhydrous 98.5% ACS     | 23 | Iodine Solution 0.05M (0.1N)                                   | 29 | Marble Chips 2-4mm                            | 35 |
| Charcoal Activated Powder DCL320                         | 17 | Distilled Water                                      | 23 | 1-Iodobutane 98.5%                                             | 29 | Marble Chips 6-9mm                            | 35 |
| Chlor Zinc Iodine (Schultze Solution)                    | 18 | DPX Mountant Standard Viscosity                      | 24 | Iron (II) Chloride Tetrahydrate                                | 29 | Marble Chips 9-12mm                           | 35 |
| Chloral Hydrate 100.8% ACS,USP,Ph.Eur                    | 18 | Dutch Metal Leaf 140mm x 140mm                       | 24 | Iron (II) Sulphate Heptahydrate (Ferrous Sulphate)             | 29 | Mercuric Oxide Red GPC                        | 35 |
| Chlorobenzene 99%                                        | 18 | EDTA Disodium Salt dihydrate 99% USP                 | 24 | Iron (II) Sulphide Fused Sticks                                | 29 | Mercury II Chloride 99.5% ACS                 | 35 |
| 1-Chlorobutane 99%                                       | 18 | Egg Albumen 80%                                      | 24 | Iron (III) Chloride 6-Hydrate                                  | 29 | Methanol 99.85% ACS                           | 35 |
| 2-Chlorobutane 98%                                       | 18 | Eosin Y 5% Aqueous                                   | 24 | Iron (III) Chloride Anhydrous                                  | 30 | Methyl Acetate 99%                            | 35 |
| 2-Chloro-2-methylpropane 99%                             | 18 | Eosin Y C.I. 45380                                   | 24 | Iron (III) Nitrate Nonahydrate 98.5%                           | 30 | Methyl Benzoate 99%                           | 36 |
| Chloroform 99.95% ACS                                    | 18 | Eriochrome Black T C.I. 14645                        | 24 | Iron (III) Oxide 95%                                           | 30 | Methyl Blue (Cotton Blue) C.I. 42780          | 36 |
| Chromic Acid 99%                                         | 18 | Ethyl Acetate 99.7% ACS                              | 24 | Iron (III) Sulphate                                            | 30 | Methyl Ethyl Ketone 99.7% ACS                 | 36 |
| Chromium (III) Nitrate Nonanhydrate 98.5%                | 18 | Ethyl Benzoate 99.9% FCC                             | 24 | Iron Metal Filings Coarse                                      | 30 | Methyl Methacrylate 99% Stabilised            | 36 |
| Chromium (III) Potassium Sulphate 99.0-102.0% ACD,Ph.Eur | 18 | Ethylene Glycol 99.8%                                | 24 | Iron Metal Filings Fine                                        | 30 | Methyl Orange 0.04% Indicator Solution        | 36 |
| Cinnamic Acid 99%                                        | 19 | Ethylenediaminetetraacetic acid 98-100.5% ACS        | 25 | Isoamyl Acetate 95%                                            | 30 | Methyl Orange C.I.13025                       | 36 |
| Citric Acid Anhydrous 99.5 - 100.5% Crystals BP, USP,FCC | 19 | Fast Green FCF C.I. 42053                            | 25 | Isoamyl Alcohol 99%                                            | 30 | Methyl Orange Xylene Cyanol                   | 36 |
| Citric Acid Monohydrate 99.7% ACS,USP,Ph.Eur             | 19 | Fehlings Solution I Ph.Eur                           | 25 | IsoButanol 99% ACS                                             | 30 | Methyl Red 0.1% Indicator Solution in Ethanol | 36 |
| Cobalt (II) Chloride Hexahydrate 97%                     | 19 | Fehlings Solution II Ph.Eur                          | 25 | IsoPentane 96% (GW)                                            | 30 | Methyl Red Sodium Salt C.I. 13020             | 36 |
| Cobalt (II) Nitrate Hexahydrate 98%                      | 19 | Feulgen Stain (Schiff)                               | 25 | Isopropyl Alcohol 99.9% ACS                                    | 31 | Methyl Salicylate 99% USP,BP Synthetic        | 36 |
| Cobalt Powder 99.8% Trace Metals Basis                   | 19 | Fluorescein Disodium Salt Hydrate C.I.45350          | 25 | Janus Green 0.1% Solution                                      | 31 | Methylene Blue (1% Aqueous)                   | 37 |
| Congo Red C.I. 22120                                     | 19 | Formaldehyde 37% ACS                                 | 25 | Janus Green B C.I. 11050                                       | 31 | Methylene Blue (10 x Concentrate)             | 37 |
| Copper (I) Chloride 97%                                  | 19 | Formic Acid 85% ACS                                  | 25 | Kinetin 99% (6-Furfurylaminopurine)                            | 31 | Methylene Blue (Loeffler)                     | 37 |
| Copper (I) Oxide 97%                                     | 19 | D (-) Fructose 99.5%                                 | 25 | Lactic Acid 80% ACS,FCC                                        | 31 | Methylene Blue BP73,ACS C.I. 52015            | 37 |
| Copper (II) Acetate Monohydrate 99% ACS                  | 19 | D(+)- Galactose                                      | 25 | Lactose Monohydrate USP,EP                                     | 31 | 2-Methylpropan-2-ol 98%                       | 37 |
| Copper (II) Carbonate dihydroxide, CU 55% min            | 20 | Gelatine 240 from Bloom Bovine EP                    | 25 | Lead (II) Acetate Trihydrate                                   | 31 | Mineralised Methylated Spirits                | 37 |
| Copper (II) Chloride Dihydrate 97%                       | 20 | Gentian Violet BP80 C.I.42555                        | 26 | Lead (II) Nitrate 99% ACS                                      | 31 | Murexide 99.2%                                | 37 |
| Copper (II) Nitrate Trihydrate 99.5% ACS                 | 20 | Gibberillic Acid 90%                                 | 26 | Lead II-IV Oxide (Red Lead)                                    | 31 | Naphthalene 99%                               | 37 |
| Copper (II) Oxide Black 99%                              | 20 | Glass Wool                                           | 26 | Lead (IV) Oxide 97%                                            | 31 | 2-Naphthol 98%                                | 37 |
| Copper (II) Sulphate 0.5M Solution                       | 20 | D (+) Glucose Anhydrous ACS                          | 26 | Lead II Sulphate 98%                                           | 32 | Neutral Red Indicator C.I. 50040              | 37 |
| Copper (II) Sulphate Anhydrous 98%                       | 20 | Glucose-1-phosphoric acid disodium salt tetrahydrate | 26 | Lead Metal Foil 0.50mm                                         | 32 | Nickel (Metal) Foil 0.15mm                    | 38 |
| Copper (II) Sulphate Pentahydrate 98%                    | 20 | L-Glutamic Acid 99-100.5%                            | 26 | Lead Metal Granular 99.5%                                      | 32 | Nickel Powder 99.85%                          | 38 |
| Copper Metal Foil 99.58% 0.1mm                           | 20 | Glycerol 99.5% ACS,EP,FG                             | 26 | Leishman Stain                                                 | 32 | Ninhydrin 99%                                 | 38 |
| Copper Powder Fine                                       | 20 | Glycine 98.5-101.5% USP,FG                           | 26 | Leishman Stain powder                                          | 32 | Nitric Acid 69%                               | 38 |
| Cresol Red 0.02% Indicator Solution                      | 21 | Grams Iodine                                         | 26 | L-Leucine 98.5-101.5%                                          | 32 | Nitric Acid Solution 1.0M (1.0N)              | 38 |
| Cresol Red Sodium Salt                                   | 21 | Graphite Powder                                      | 26 | Limewater                                                      | 32 | Nitric Acid Solution 2.0M (2.0N)              | 38 |
| Crystal Violet 0.5% Aqueous                              | 21 | Haematoxylin Delafield                               | 26 | D-Limonene 96%                                                 | 32 | 2-Nitrophenyl-beta-D-galactopyranoside 98%    | 38 |
| Crystal Violet 1% Alcoholic                              | 21 | Heptane 99.5% ACS                                    | 27 | Lipase from Porcine Pancreas                                   | 32 | Octan-1-ol 99%                                | 38 |
| Crystal Violet 2% Alcoholic                              | 21 | Heptan-1-ol 99%                                      | 27 | Lithium Carbonate 99%                                          | 33 | Octane 97%                                    | 38 |
| Crystal Violet BP80 C.I. 42555                           | 21 | Hexamethylenetetramine (Hexamine) 99.0%              | 27 | Lithium Chloride 99% ACS                                       | 33 | 1-Octene 97%                                  | 39 |
| Cyclohexane 99.9% ACS                                    | 21 | n-Hexane 95% ACS                                     | 27 | Lithium Hydroxide Monohydrate 98%                              | 33 | Oleic Acid 75% Food Grade                     | 39 |
| Cyclohexanol 98%                                         | 21 | Hexane Fraction 65-70                                | 27 | Litmus 1% Indicator Solution                                   | 33 | Olive Oil BP                                  | 39 |
| Cyclohexanone 99.8% ACS                                  | 21 | 1-Hexanol 98%                                        | 27 | Litmus Indicator pH 5-8                                        | 33 | Orcein Acetic (La Cour)                       | 39 |
| Cyclohexene 99%                                          | 22 | Hex-1-ene 97%                                        | 27 | Lugols Iodine Solution (for Microscopy)                        | 33 | Orcein Synthetic                              | 39 |
| Deionised Water ACS                                      | 22 | Hydrochloric Acid 0.1M (0.1 N) Solution              | 27 | Magnesium Acetate Tetrahydrate                                 | 33 | Oxalic Acid dihydrate 99.6%                   | 39 |
| Dextrin from Starch Potato (Yellow)                      | 22 | Hydrochloric Acid 0.5M (0.5N) Solution               | 27 | Magnesium Chloride Hexahydrate 98.0-101% Ph.Eur                | 33 | Pancreatin from Porcine Pancreas              | 39 |
| Dextrose Anhydrous 99.5%                                 | 22 | Hydrochloric Acid 1.0M (1.0N) Solution               | 27 | Magnesium Hydroxide 99%                                        | 33 | Paraffin Liquid Light                         | 39 |
| Di Ammonium Hydrogen Phosphate 95%                       | 22 | Hydrochloric Acid 2.0M (2.0N) Solution               | 28 | Magnesium Nitrate Hexahydrate                                  | 33 | Paraffin Oil BP                               | 39 |
| Di Potassium Hydrogen Phosphate 98% ACS,FG               | 22 | Hydrochloric Acid Solution 4.0M (4.0N)               | 28 | Magnesium Oxide 96% Heavy                                      | 33 | Paraffin Wax 44-48 deg C                      | 39 |
| 1,6 Diamino Hexane 5% Solution in H2O                    | 22 | Hydrochloric Acid 5.0M (5.0N) Solution               | 28 | Magnesium Oxide 96% Light                                      | 34 | Paraffin Wax 56-60 deg C                      | 39 |
| Diaminohexane 98%                                        | 22 | Hydrochloric Acid 35.0-36.6%                         | 28 | Magnesium Powder                                               | 34 | Pentane 95% ACS                               | 40 |
| Diastase                                                 | 22 | Hydrogen Peroxide 35% (100 vols)                     | 28 | Magnesium Ribbon 99.8%                                         | 34 | Pentanol 99% (Amyl Alcohol)                   | 40 |
| 2,6-Dichloroindophenol Sodium Salt Hydrate               | 22 | Hydrogen Peroxide 6% Food Grade                      | 28 | Magnesium Sulphate Dried                                       | 34 | Pepsin Powder 1:2500                          | 40 |
| 2,6-Dichlorophenolindophenol Sodium Salt Tablets         | 22 | Hydroquinone 99.5%                                   | 28 | Magnesium Sulphate Heptahydrate 99.5% ACS,FCC                  | 34 | Peptone Bacteriological                       | 40 |
|                                                          |    | Immersion Oil Basic R.I. 1.5185                      | 28 |                                                                |    | Petroleum Ether 40-60                         | 40 |



# Index

|                                                             |    |                                                  |    |                                                              |    |
|-------------------------------------------------------------|----|--------------------------------------------------|----|--------------------------------------------------------------|----|
| Petroleum Ether 60-80                                       | 40 | Soap Solution (Wanklyn's)                        | 46 | Sulphuric Acid Solution 0.05M (0.1N)                         | 52 |
| Petroleum Ether 80-100                                      | 40 | Soda Lime Self Indicating                        | 46 | Sulphuric Acid Solution 0.5M (1.0N)                          | 52 |
| Petroleum Ether 100-120                                     | 40 | Sodium Acetate Anhydrous 99% ACS                 | 46 | Sulphuric Acid Solution 1.0M (2.0N)                          | 52 |
| Petroleum Jelly White                                       | 40 | Sodium Acetate Trihydrate 99.5% ACS, USP, Ph Eur | 46 | Sulphuric Acid Solution 2.0M (4.0N)                          | 52 |
| 1,10-Phenanthroline Monohydrate, 99%                        | 41 | Sodium Alginate 98%                              | 46 | Talcum Powder Fine Extra Pure                                | 52 |
| Phenol Detached Crystals 99% ACS                            | 41 | Sodium Benzoate 99.9% USP, BP, Ph. EUR           | 46 | Tannic Acid                                                  | 52 |
| Phenol Red 0.02% Alcoholic Indicator Solution               | 41 | Sodium Bromide 99.4% ACS                         | 46 | L (+) Tartaric Acid 99.7 - 100.5% Ph Eur, BP, ACS, USP       | 52 |
| Phenol Red ACS                                              | 41 | Sodium Carbonate Anhydrous 99.3%                 | 47 | Tetrahydrofuran 99.95%                                       | 52 |
| Phenolphthalein 0.5% Indicator Solution                     | 41 | Sodium Chlorate 99%                              | 47 | Thymol Blue 0.04% Solution 20% Alcoholic                     | 53 |
| Phenolphthalein 1% Alcoholic Indicator Solution             | 41 | Sodium Chloride 99.9% BP, ACS, Ph Eur, FCC       | 47 | Thymol Blue Free Acid ACS                                    | 53 |
| Phenolphthalein 99% ACS, BP                                 | 41 | Sodium Dichromate Dihydrate 98%                  | 47 | Thymol Crystals 99%                                          | 53 |
| Phenyl Salicylate 99.0%                                     | 41 | Sodium Dihydrogen Phosphate Dihydrate 99.6%      | 47 | Tin (II) Chloride dihydrate ACS (Stannous Chloride)          | 53 |
| Phloroglucinol 99.3% Anhydrous                              | 41 | Sodium Dithionite ACS (Sodium Hydrosulfite)      | 47 | Tin (II) Oxide 98.5%                                         | 53 |
| Phosphoric Acid 85% ACS, FG                                 | 41 | Sodium Dodecyl Sulfate 98% Ultrapure             | 47 | Tin (IV) Oxide 99.85%                                        | 53 |
| Phosphorus Red                                              | 42 | Sodium Fluoride 97.0%                            | 47 | Tin Metal Foil 0.2mm                                         | 53 |
| Polyvinyl Alcohol 98% mw 17,200                             | 42 | Sodium Formate 99.1%                             | 47 | Toluene 99.5% ACS                                            | 53 |
| Potassium Bicarbonate 99.9% FG                              | 42 | Sodium Hexametaphosphate (Graham's Salt)         | 47 | Toluidine Blue (1% Aqueous)                                  | 53 |
| Potassium Bromide 98.0-100.5% Ph Eur V                      | 42 | Sodium Hydrogen Carbonate 99% ACS, EP, USP       | 48 | Toluidine Blue O.C.I. 52040                                  | 53 |
| Potassium Carbonate Anhydrous 99% ACS                       | 42 | Sodium Hydrogen Sulphate 92%                     | 48 | Trichloroacetic Acid 99.0%                                   | 54 |
| Potassium Chlorate 99.7% ACS                                | 42 | Sodium Hydroxide Pearl 99%                       | 48 | 2,2,4-Trimethylpentane                                       | 54 |
| Potassium Chloride 99-100.5% ACS, FG, FCC                   | 42 | Sodium Hydroxide Pellets 99.9% ACS               | 48 | Tri Potassium Citrate 99-100.5% Monohydrate BP, EP, USP, FCC | 54 |
| Potassium Dichromate 99.7%                                  | 42 | Sodium Hydroxide Solution 0.1M (0.1N)            | 48 | Tri-Sodium Citrate 99% ACS, USP, Ph Eur, FCC                 | 54 |
| Potassium dihydrogen Phosphate 99-102.00% Anhydrous ACS, FG | 42 | Sodium Hydroxide Solution 1.0M (1.0N)            | 48 | Trypsin from Porcine Pancreas 250u/mg USP                    | 54 |
| Potassium Ferricyanide 99.8% ACS                            | 42 | Sodium Hydroxide Solution 2.0M (2.0N)            | 48 | Turpentine Oil                                               | 54 |
| Potassium Hexacyanoferrate (II) 99.9% ACS                   | 43 | Sodium Hydroxide Solution 40%                    | 48 | L-Tyrosine 98.5-101.5% USP                                   | 54 |
| Potassium Hydrogen Phthalate 99.5%                          | 43 | Sodium Hypochlorite 14%                          | 48 | Universal Indicator pH 1-14                                  | 54 |
| Potassium Hydroxide Pellets 85%                             | 43 | Sodium Iodate 99.1%                              | 48 | Universal Indicator Solution pH 4-11                         | 54 |
| Potassium Hydroxide Solution 1.0M (1.0N)                    | 43 | Sodium Iodide 99.5-100.5% BP                     | 49 | Urea 97.5% (Prills)                                          | 54 |
| Potassium Iodate 99% ACS                                    | 43 | Sodium Metabisulphite 97-100.5% BP               | 49 | Vanadium (V) Oxide 99%                                       | 55 |
| Potassium Iodide 99.9% ACS                                  | 43 | Sodium Metasilicate Anhydrous                    | 49 | White Spirit                                                 | 55 |
| Potassium Metabisulphite 97%                                | 43 | Sodium Metasilicate Pentahydrate                 | 49 | Xylene 98.0-99.0% (Mixture of Isomers)                       | 55 |
| Potassium Nitrate 99.5% ACS, FG                             | 43 | Sodium Molybdate Dihydrate 98%                   | 49 | Yeast Dried Active Powder                                    | 55 |
| Potassium Oxalate Monohydrate 99.9% ACS                     | 43 | Sodium Nitrate 99.5%                             | 49 | Zinc Acetate Anhydrous 97%                                   | 55 |
| Potassium Periodate 99.8% ACS                               | 43 | Sodium Nitrite 99.5%                             | 49 | Zinc Acetate Dihydrate 99.9% ACS                             | 55 |
| Potassium Permanganate 99.0-100.5%                          | 44 | Sodium Oxalate 99.5%                             | 49 | Zinc (II) Bromide Anhydrous 98%                              | 55 |
| Potassium Permanganate Solution 0.02M (0.1N)                | 44 | Sodium Persulphate 99% ACS                       | 49 | Zinc Carbonate 99% (Zn >55.5%)                               | 55 |
| Potassium Permanganate Solution 0.2M (1.0N)                 | 44 | Sodium Salicylate 99.5%                          | 50 | Zinc Chloride 97% ACS                                        | 55 |
| Potassium Persulphate 98%                                   | 44 | Sodium Silicate Solution 40% 0084                | 50 | Zinc Metal Foil 0.38mm                                       | 56 |
| Potassium Sodium Tartrate Tetrahydrate 98%                  | 44 | Sodium Sulphate 98% Anhydrous ACS                | 50 | Zinc Nitrate Hexahydrate                                     | 56 |
| Potassium Sulphate 99.9% ACS                                | 44 | Sodium Sulphate Decahydrate                      | 50 | Zinc Oxide 99.9% ACS, USP, Ph Eur, BP                        | 56 |
| Potassium Thiocyanate 98%                                   | 44 | Sodium Sulphide Flake                            | 50 | Zinc Sulphate Heptahydrate 99.0-102.0% ACS, USP              | 56 |
| Propan-1-ol 99.9% ACS                                       | 44 | Sodium Sulphite Anhydrous 98% ACS                | 50 | Zinc Sulphide 98%                                            | 56 |
| Propionaldehyde 97%                                         | 44 | Sodium Thiosulphate Anhydrous                    | 50 |                                                              |    |
| Propionic Acid 99.5%                                        | 44 | Sodium Thiosulphate Pentahydrate 99%             | 50 |                                                              |    |
| Propylene Glycol 99.80% ACS                                 | 45 | Sodium Thiosulphate Solution 0.1M (0.1N)         | 50 |                                                              |    |
| Purified Water BP                                           | 45 | Starch Soluble (Maize)                           | 50 |                                                              |    |
| Pyridine, ACS                                               | 45 | Starch Soluble (Potato)                          | 51 |                                                              |    |
| Resazurin Tablets                                           | 45 | Stearic Acid                                     | 51 |                                                              |    |
| Resorcinol 99% ACS                                          | 45 | Strontium Chloride Hexahydrate 99.68% EP         | 51 |                                                              |    |
| Rock Salt ( Sodium Chloride)                                | 45 | Strontium Nitrate Anhydrous                      | 51 |                                                              |    |
| Safranin 1% Aqueous                                         | 45 | Styrene 99% Stabilised                           | 51 |                                                              |    |
| Safranin O.C.I. 50240                                       | 45 | Succinic Acid                                    | 51 |                                                              |    |
| Salicylic Acid 99.5% ACS                                    | 45 | Sucrose ACS, FG                                  | 51 |                                                              |    |
| Sand, Acid Washed                                           | 45 | Sudan III 0.5% in 70% IMS                        | 51 |                                                              |    |
| Sebacoyl Chloride 5% in Cyclohexane                         | 45 | Sudan III C.I. 26100                             | 51 |                                                              |    |
| Silica Gel Self Indicating (Blue)                           | 46 | Sulphamic Acid 99.5% ACS                         | 51 |                                                              |    |
| Silver Nitrate 2% in Nitric Acid 2% Solution                | 46 | Sulphanilic Acid 99%                             | 52 |                                                              |    |
| Silver Nitrate 99.9% ACS                                    | 46 | Sulphur Powder                                   | 52 |                                                              |    |
| Silver Nitrate Solution 0.1M (0.1N)                         | 46 | Sulphuric Acid 96%                               | 52 |                                                              |    |





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