

ACS/ Reag PH EUR substances, standards, solutions and reagents

01. QUALITY

02. TRACEABILITY

03. COMPLIANCE WITH
INTERNATIONAL
STANDARDS



- Improved specifications to Reag. Ph. Eur. and ACS standards
- Extensive range
- Wide choice of pack sizes
- Full packaging specifications and certificates of analysis at vwr.com

- Improved specifications to Reag. Ph. Eur. and ACS standards
- Extensive range
- Wide choice of pack sizes
- Full packaging specifications and certificates of analysis at vwr.com

Our analytical reagents are harmonised to meet authoritative quality guidelines worldwide. Specifications described by the American Chemical Society (ACS) and therefore the Reag. USP Reag., plus Ph. Eur. where possible:

- 87 reagents specified in accordance with ACS and Reag. Ph. Eur
- 39 reagents specified in accordance with ACS or Reag. Ph. Eur.

DEPENDABLE ANALYSES
VWR CONSTANTLY RE-VALIDATES ANALYTICAL METHODS TO SO YOU DON'T HAVE TO.

- Better batch-to-batch consistency
- Assurance in your results
- Guarantee of success in your analyses
- Low risk of having to repeat analyses so saving time and money
- Lower validation requirements due to internationally consistent product quality

[illegible]

- Detailed product description
- Item number
- Lot number
- Exact lot values
- Test date
- Minimum shelf life

HOW CAN WE DISTINGUISH THE DIFFERENT MATERIALS PACK SIZES?

- GB = Glass bottles
- PB = Plastic bottles or drums
- CGB = safety coated glass bottles
- MC = Metal containers



APPLICATION-ORIENTED QUALITY AND OPTIMIZED PACKAGING

AnalaR® NORMAPUR® acids and alkalis for analysis are produced and tested according to the highest standards for purity and safety. Extensive specifications with a high number of parameters and extremely low limiting values, together with reliable batch-to-batch consistency, ensure maximum certainty for your analyses. That is why you can rely on our acids for analysis for your most demanding applications.

For maximum safety in your lab operations, we have developed innovative packaging solutions like our Embasafe bottle (PE-coated glass bottle) or our HDPE bottles mainly for our acids.



Acids AnalaR® NORMAPUR®

Description	Pack type	1 L	2,5 L	5 L	20 L	200 L
Acetic acid glacial ACS, Reag. Ph. Eur. analytical reagent	PB	20104.312	20104.334	20104.367	20104.447	20104.551
Acetic acid glacial ACS, Reag. Ph. Eur. analytical reagent	GB	20104.298				
Acetic acid glacial ACS, Reag. Ph. Eur. analytical reagent	CGB		20104.323			
Formic acid 99 - 100% AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	PB	20318.310			20318.446	20318.550
Formic acid 99 - 100% AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	GB	20318.297	20318.320			
Formic acid 99 - 100% AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	CGB		20318.322			
Hydrochloric acid 37% AnalaR® NORMAPUR® Reag. Ph. Eur. analytical reagent	PB	20252.295	20252.335	20252.368	20252.448	
Hydrochloric acid 37% AnalaR® NORMAPUR® Reag. Ph. Eur. analytical reagent	GB	20252.290	20252.420			
Hydrochloric acid 37% AnalaR® NORMAPUR® Reag. Ph. Eur. analytical reagent	CGB	20252.244	20252.324			
Nitric acid 69% AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	GB	20425.297	20425.420			
Nitric acid 69% AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	CGB	20422.242	20422.322			
Orthophosphoric acid 85% AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	PB	20624.310	20624.330			
Orthophosphoric acid 85% AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	GB	20624.295	20624.320			
Oxalic acid dihydrate AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	PB	20562.291				
Perchloric acid 70% AnalaR® NORMAPUR® ACS analytical reagent	GB	20589.293	20589.327			
Perchloric acid 70% AnalaR® NORMAPUR® ACS analytical reagent	CGB	20589.247	20589.327			
Trichloroacetic acid (glacial) AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	GB	20742.293				

Alkalis AnalaR® NORMAPUR®

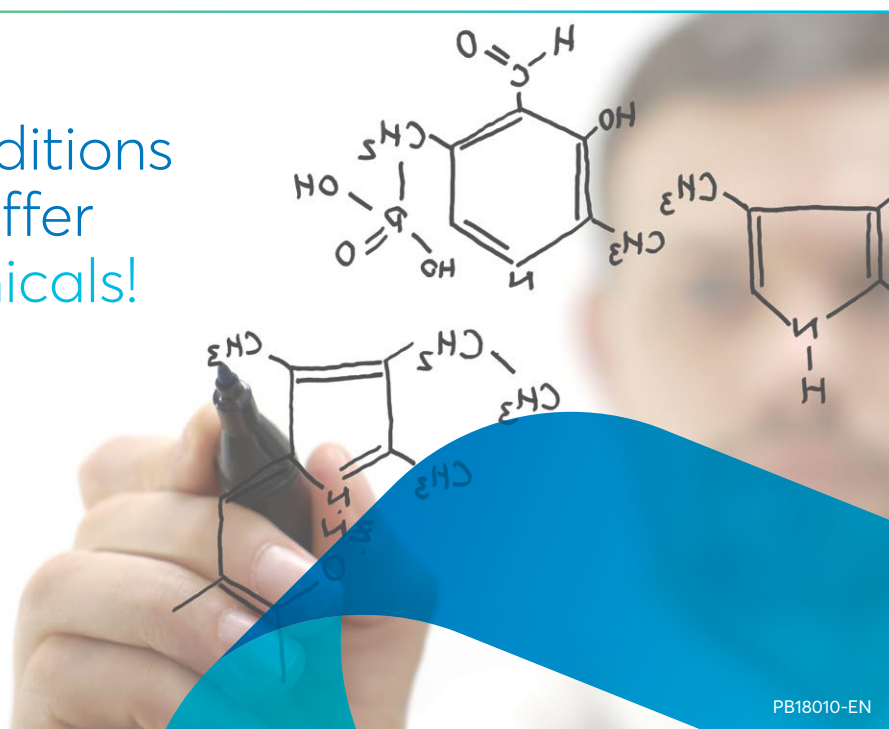
Description	Pack type	500 g	1 kg	2,5 kg	5 kg	25 kg
Barium hydroxide octahydrate AnalaR® NORMAPUR® Reag. Ph. Eur. analytical reagent	PB		21687.298			
Potassium hydroxide, pellets AnalaR® NORMAPUR® Reag. Ph. Eur. analytical reagent	PB	26668.263	26668.296	26668.365		26668.460
Sodium hydroxide, pellets AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	PB	28244.262	28244.295		28244.364	28244.466

Discover
all the newest additions
to our chemical offer
on vwr.com/chemicals!

Discover all our major brands such as VWR chemicals, Merck, Avantor, Acros Organics, Alfa Aesar and Honeywell.

You will find all the chemical promotion, new products, literature, MSDS, CoA, etc. in one place on vwr.com/chemicals

Go to vwr.com/chemicals



PB18010-EN

BATCH TO BATCH REPRODUCIBILITY- WIDE CHOICE

Our premium salts designated "AnalaR NORMAPUR ACS, Reag Ph Eur analytical reagent" are specified for pharmacopoeia analysis and fully comply to the requirements of both the European and U.S. pharmacopoeias. Thus, quality assurance laboratories in the pharmaceutical industry benefit from both the international acceptance of these reagents and the security of analytical laboratory auditing. Most of them are all available in different packagings from 500 g to 25 kg.



Salts AnalaR® NORMAPUR®

All these salts are filled in plastic bottles

Description	100 g	250 g	500 g	1 kg	2,5 kg	5 kg	25 kg
Aluminium potassium sulphate dodecahydrate AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent				21110.296			
Ammonium acetate AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent			21200.264	21200.297		21200.366	21200.460
Ammonium chloride AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent			21236.267	21236.291		21236.360	
Ammonium dihydrogen phosphate AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent			21305.260	21305.290			
Ammonium heptamolybdate tetrahydrate AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	21276.185		21276.260	21276.298			
di-Ammonium hydrogen citrate AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent		21246.238		21246.290	21246.320		21246.460
di-Ammonium hydrogen orthophosphate AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent		21311.234		21311.291			
Ammonium nitrate AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent			21280.260	21280.293			21280.460
Ammonium peroxodisulphate (APS) AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent			21300.260	21300.293			
Ammonium sulphamate ≥98,5%, AnalaR® NORMAPUR® ACS for analysis, for detection of sulphonamide in blood	85979.180						
Ammonium sulphate AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	21333.180			21333.296		21333.365	21333.460
Ammonium thiocyanate AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent		21344.237		21344.294			
Barium chloride dihydrate AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent			21716.266	21716.290		21716.368	
Calcium carbonate AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent low in alkali, precipitated		22300.233		22300.290			22300.460
Calcium chloride dihydrate AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent		22317.230	22317.260	22317.297	22317.320		22317.460
Chloramine-T (sodium salt) trihydrate 98,0 - 103% AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent		22686.230					
Cobalt(II)nitrate hexahydrate AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	87024.180						
Cobalt(II)nitrate hexahydrate (max. 0,001% Ni) AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent		87027.230					
Copper(II) chloride dihydrate AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent		23093.233		23093.290			
Copper(II) sulphate pentahydrate AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent		23174.233		23174.290		23174.360	
4-(Dimethylamino)benzaldehyde AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent		23439.238					
Dodecamolybdo-phosphoric acid hydrate AnalaR® NORMAPUR® ACS, Reag. Ph. Eur., analytical reagent	20616.184						
EDTA disodium salt dihydrate AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	20302.180	20302.236	20302.260	20302.293			20302.464
Hydroxylammonium chloride AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent		24708.235		24708.292			
Iodine AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent, resublimed	24757.187	24757.234		24757.291			
Iron(III) sulphate heptahydrate AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent		24244.232		24244.298			
Iron(III) chloride hexahydrate AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent		24208.237	24208.260				
Iron(III) nitrate nonahydrate AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent		24175.233	24175.260	24175.290			
Lithium carbonate AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent		25007.230					
Lithium chloride AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent		25012.237	25012.260			25012.363	
Magnesium chloride hexahydrate AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent			25108.260	25108.295			
Manganese(II) chloride tetrahydrate AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent		25222.233		25222.290			
Manganese(II) sulphate monohydrate AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent		25303.233		25303.290			25303.460
Mercury(II) bromide AnalaR® NORMAPUR® ACS, analytical reagent (50 g)	86147.150						
Nickel(II) nitrate hexahydrate AnalaR® NORMAPUR® ACS, analytical reagent (max. 0,005% Co)		25873.232					
Ninhydrin AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	25905.180						
Phenol, detached crystals AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent		20599.231	20599.260	20599.297			
Potassium carbonate AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent			26726.260	26726.297	26726.322		26726.460
Potassium chloride AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent		26764.232	26764.260	26764.298		26764.367	26764.460
Potassium dichromate AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent		26784.231		26784.297			
Potassium dihydrogen phosphate AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent		26936.236	26936.260	26936.293	26936.320		26936.460
Potassium iodate AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	26840.180	26840.235					26840.460
Potassium permanganate AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent		26910.237		26910.294			
Potassium peroxodisulphate AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	26915.187			26915.291			
L(+)-Potassium sodium tartrate tetrahydrate AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent		27068.233		27068.290			
Potassium sulphate AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent				26997.293			

Salts AnalAR® NORMAPUR®

All these salts are filled in plastic bottles

Description	100 g	250 g	500 g	1 kg	2,5 kg	5 kg	25 kg
Sodium acetate AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent		27653.235	27653.260	27653.292			27653.460
Sodium acetate trihydrate AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent		27652.232	27652.260	27652.298		27652.367	27652.460
Sodium carbonate AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent		27771.233	27771.260	27771.290		27771.360	27771.460
Sodium chloride AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent			27810.262	27810.295		27810.364	27810.460
tri-Sodium citrate dihydrate AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent		27833.237	27833.260	27833.294		27833.363	27833.460
Sodium fluoride AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent		27860.231		27860.297			
Sodium hydrogen carbonate AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent		27778.236	27778.260	27778.293		27778.360	27778.460
di-Sodium hydrogen phosphate, anhydrous AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent			102494C		102495D		10249LT
Sodium metaperiodate AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	27185.185	27185.230		27185.290			
Sodium nitrate AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent		27955.238		27955.295			27955.460
Sodium periodate AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	27985.185	27985.230		27985.290			
Sodium sulphate, anhydrous AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent		28114.230	28114.260	28114.296		28114.365	28114.460
Sodium sulphite AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent			28130.260	28130.292			28130.460
di-Sodium tetraborate decahydrate AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent		27727.231		27727.297			27727.460
Sodium thiosulphate pentahydrate AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent			27910.260	27910.291			
tetra-Sodium diphosphate decahydrate AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent				28055.292			28055.460
Strontium nitrate AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent		85978.230					
Tin(II) chloride dihydrate AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent			23742.260	23742.293			
Zinc chloride AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent		29156.231	29156.260	29156.297			
Zinc sulphate heptahydrate AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent		29253.236	29253.260	29253.293			29253.460

SAFEST AND MOST CONVENIENT CHOICE FOR YOUR QUALITY CONTROL PROCESSES

AnalAR® NORMAPUR® is a high quality solvent that fulfills the requirements of the ACS and can be used for a wide range of analytical applications. With many test parameters and high specifications values for purity, water content and evaporation residue, AnalAR NORMAPUR® grade solvents are suitable for a broad spectrum of classical lab applications including regulated and highly demanding applications. Furthermore, AnalAR NORMAPUR® is not only compliant to ACS, but also to Reag. Ph Eur for most of them.



Solvents AnalAR® NORMAPUR®

Description	Pack type	1 L	2,5 L	5 L	25 L	200 L
Acetic anhydride AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	PB		21390.330			
Acetic anhydride AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	GB	21390.293				
Acetone AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	PB	20066.310	20066.330	20066.365		
Acetone AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	GB	20066.296	20066.321			
Acetone AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	CGB		20066.423			
Acetone AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	MC				20066.467	20066.558
Acetonitrile AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	GB	20071.294	20071.328			
Acetonitrile AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	MC				20071.460	20060.550
Butanol AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	GB	20810.298	20810.323			
tert-Butanol AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	GB	20814.292				
tert-Butyl methyl ether AnalAR® NORMAPUR® ACS, analytical reagent	GB	85027.290	85027.320			
*tert-Butyl methyl ether AnalAR® NORMAPUR® ACS, analytical reagent	MC					85027.550
Chloroform AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	GB	22711.290	22711.324			
Chloroform AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	CGB	22711.244				
Chloroform AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	MC				22711.461	
Cyclohexane AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	GB	23224.293	23224.327			
Cyclohexane AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	MC			23224.362		23224.550
Dichloromethane AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	GB	23366.293	23366.327			
Dichloromethane AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	MC				23366.460	
Diethyl ether AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	PB	23811.290				
Diethyl ether AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	GB	23811.292	23811.326			
Diethyl ether AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	MC			23811.361	23811.463	
Diisopropyl ether AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	GB	24900.296	24900.320			
N,N-Dimethylformamide AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	GB	23466.298	23466.323			23466.550
Ethanol absolute AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	PB	20821.310	20821.330	20821.365		
Ethanol absolute AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	GB	20821.296	20821.321			
Ethanol absolute AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	MC				20821.467	20821.558
Ethanolamine AnalAR® NORMAPUR® ACS, analytical reagent	GB	85955.290	85955.320			
Ethyl acetate AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	PB	23882.310	23882.330	23882.360		
Ethyl acetate AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	GB	23882.296	23882.321			
Ethyl acetate AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	MC				23882.467	23882.550

Solvents AnalAR® NORMAPUR®

Description	Pack type	1 L	2,5 L	5 L	25 L	200 L
Formaldehyde 36% (39% w/v) AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	PB		20909.330	20909.368		
*Formaldehyde 36% (39% w/v) AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	GB	20909.290				
Glycerine 99,5% AnalAR® NORMAPUR® ACS analytical reagent, redistilled	PB			24388.364		
Glycerine 99,5% AnalAR® NORMAPUR® ACS analytical reagent, redistilled	GB	24388.295	24388.320			
n-Hexane AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	GB	24577.298	24577.323			
n-Hexane AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	MC			24577.367	24577.460	
Isobutanol AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	GB	20833.297				
Methanol AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	PB	20847.318	20847.307	20847.360		
Methanol AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	GB	20847.295	20847.320			
Methanol AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	CGB	20847.240	20847.422			
Methanol AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	MC				20847.466	20847.550
Methyl ethyl ketone AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	GB	25642.291	25642.325			
Methyl ethyl ketone AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	MC				25642.460	
*4-Methyl-2-pentanone AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	GB	25652.295	25652.320			
Phenol, detached crystals AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	GB	20599.297				
1-Propanol AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	PB			20861.363		
1-Propanol AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	GB	20861.294	20861.320			
2-Propanol AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	PB	20842.312	20842.330	20842.367		
2-Propanol AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	GB	20842.298	20842.323			
*2-Propanol AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	MC				20842.460	20842.550
Pyridine AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	GB	27199.292	27199.326			
Tetrahydrofuran AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	GB	28551.296	28551.321			
Tetrahydrofuran AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	MC				28551.460	28551.550
Toluene AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	PB			28676.366		
Toluene AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	GB	28676.297	28676.322			
Toluene AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	MC				28676.460	28676.550
2,2,4-Trimethylpentan AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	GB	28781.291	28781.325			
2,2,4-Trimethylpentan AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	MC				28781.460	
Urea AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	PB	28877.292		28877.361	28877.460	
*Xylene (mixture of isomers) AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	PB			28975.360		
Xylene (mixture of isomers) AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	GB	28975.291	28975.325			
Xylene (mixture of isomers) AnalAR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	MC				28975.462	28975.553

* This solvent is also available in 500 ml

MAIN INDICATORS ACCORDING TO ACS/ REAG PH EUR TO MONITOR YOUR REACTIONS AND TITRATIONS - ACCURACY AND RELIABILITY.

We offer a large portfolio of high-quality indicators for observing chemical reactions. Our wide range of different products in various packaging sizes enables you to obtain all the indicators you need for your application from a single source. In particular, indicators from us enable you to precisely determine the endpoint for a wide range of titration types.

Our portfolio includes acid-alkali (pH) indicators, complex or metal indicators, fluorescence indicators, redox indicators as well as special indicators that we tailor to the exact requirements of your applications. All our indicators are extensively tested to ensure accurate and reproducible results.



Indicators AnalAR® NORMAPUR®

Description	5 g	10 g	25 g	50 g	100 g	500 g
Alizarin red S mono sodium salt (C.I. 58005), indicator AnalAR® NORMAPUR® ACS, Reag. Ph. Eur.			86156.150		86156.180	
Bromophenol blue ACS			0449-25G	0449-50G	0449-100G	
Bromophenol blue sodium salt ACS				0312-50G	0312-100G	
Bromothymol blue ACS			0431-25G	0431-50G		
Diphenylamine-4-sulfonic acid sodium salt, indicator AnalAR® NORMAPUR® ACS		86161.100				
Eriochromocyanine AnalAR® NORMAPUR® ACS, Reag. Ph. Eur.			86168.130			
Methyl orange indicator (C.I. 13025), ACS, Reag. Ph. Eur.			86151.150		86151.180	
Methyl red (C.I. 13020), indicator AnalAR® NORMAPUR® ACS Reag. Ph. Eur.			86159.150		86159.180	
Phenol red indicator AnalAR® NORMAPUR® ACS Reag. Ph. Eur.	86160.050		86160.150		86160.180	
Phenolphthalein indicator AnalAR® NORMAPUR® ACS Reag. Ph. Eur.			86158.150		86158.180	86158.260
Phthaleine purple AnalAR® NORMAPUR® ACS Reag. Ph. Eur.	86166.050					
Phthaleine purple indicator AnalAR® NORMAPUR® ACS Reag. Ph. Eur.						
Thymol blue indicator AnalAR® NORMAPUR® ACS Reag. Ph. Eur.	86155.050		86155.150			
Thymolphthalein indicator AnalAR® NORMAPUR® ACS Reag. Ph. Eur.	86157.050		86157.150		86157.180	
Xylenol orange, tetrasodium salt indicator AnalAR® NORMAPUR® ACS, Reag. Ph. Eur.	86150.050					

OVER 250 STANDARDS AND SOLUTIONS FOR QUALITY CONTROL IN PHARMACEUTICAL COMPANIES.

- Conforms to the latest edition of Ph. Eur
- Ready to use solutions
- Delivered with a complete Certificate of Analysis
- Labelled with minimum shelf life/batch number
- No shipping, storage or disposal issue



Reag.Ph. Eur. product	Shelf life in months	Ph. Eur. code	Pk	Cat. No
Acetic acid (30%)	24	1000401	1 L	87758.290
Acetic acid anhydrous R1	12	1000501	1 L	87760.290
Acetic acid diluted (12%)	24	1000402	1 L	87759.290
Acetylacetone	12	1000901	100 ml	87761.180
Alizarine S solution	12	1002601	100 ml	87763.180
Aluminium chloride	12	1002702	1 L	87765.290
Aluminium chloride solution	12	1002701	100 ml	87764.180
Ammonia 17%	12	1004701	100 ml	87707.180
Ammonia diluted R1 (6 mol/l)	12	1004702	1 L	87682.290
Ammonia diluted R2 (2 mol/l)	12	1004703	1 L	87766.290
Ammonia diluted R3 (0,1 mol/l)	12	1004704	1 L	87767.290
Ammonium carbonate solution (1 mol/l)	24	1005201	1 L	87768.290
Ammonium chloride solution (2 mol/l)	24	1005301	1 L	87769.290
Ammonium chloride solution buffer pH 10	24	4007300	1 L	85739.290
Ammonium heptamolybdate solution 10%	12	1005702	1 L	87770.290
Ammonium heptamolybdate solution R2 10%	12	1005703	1 L	87771.290
Ammonium heptamolybdate solution R3	12	1005704	1 L	87772.290
Ammonium heptamolybdate solution R4	3	1005705	500 ml	87773.260
Ammonium iron sulphate R2	12	1037702	1 L	87830.290
Ammonium iron sulphate R5	12	1037704	100 ml	87831.180
Ammonium iron sulphate R6	12	1037705	100 ml	87832.180
Ammonium oxalate solution 4%	24	1005901	1 L	87774.290
Ammonium thiocyanate solution (1 mol/l)	24	1006701	1 L	87775.290
Ammonium vanadate solution	12	1006801	1 L	87776.290
Anisaldehyde solution	12	1007301	100 ml	87777.180
Antimony chloride solution	12	1007701	100 ml	87779.180
Antimony chloride solution R1	6	1007702	100 ml	87780.180
Arsenite solution	12	1008301	100 ml	87781.180
Ascorbic acid solution	12	1008401	100 ml	87782.180
Barium chloride solution R1 (0,25 mol/l)	24	1009301	1 L	87783.290
Barium chlorure solution R2 (0,15 mol/l)	24	1009302	1 L	87784.290
Barium hydroxide solution (0,15 mol/l)	24	1009401	1 L	87785.290
Bismuth subnitrate solution	24	1011502	500 ml	87786.260
Biuret	12	1011601	1 L	87787.290
Borate solution	24	1033601	1 L	87826.290
Bromine solution R	3	1012401	100 ml	85715.180
Bromine water R	3	1012402	100 ml	85716.180
Bromophenol blue solution R1	24	1012802	100 ml	87795.180
Bromothymol blue solution R2	24	1012902	100 ml	87797.180
BRP indicator solution	12	1013000	100 ml	87799.180
Buffer pH 3,5 reagent	24	4000600	1 L	85669.290
Calcium chloride solution (0,01 mol/l)	24	1014602	1 L	87801.290
Calcium chloride solution (0,02 mol/l)	24	1014603	1 L	87802.290
Calcium chloride solution (0,5 mol/l)	24	1014601	1 L	87800.290
Calcium sulphate solution	12	1015201	1 L	87803.290
Chloral hydrate solution 80% (w/w)	12	1017901	100 ml	87804.180
Chloroform iodide solution	12	1045805	1 L	87855.290
Copper edetate solution	12	1022300	1 L	87807.290
Copper sulphate solution 0.5 mol/l	24	1022501	1 L	87808.290
Copper tetramine complex solution	12	1022600	100 ml	87809.180
Cupri-citric solution	12	1023100	1 L	87812.290
Cupri-citric solution R1	12	1023200	1 L	87813.290
Cupric-tartaric solution (I+II ⁵⁰⁰ / ₅₀₀)	12	1023300	1 L	87814.290
Cupric-tartaric solution R4 (I+II ⁵⁰⁰ / ₅₀₀)	12	1023304	1 L	87815.290
Dimethylaminobenzaldehyde solution R6	3	1029803	100 ml	87816.180
3,5 Dinitrobenzoic acid solution 20 g/l in ethanol	12	1031301	1 L	87819.290
1,4 Dioxane 0.1% in aqueous solution	12	1032001	100 ml	87820.180
1,4 Dioxane 0.05% in aqueous solution	12	1032002	100 ml	87821.180
Diphenylamine solution 0.1% in sulphuric acid 96%	12	1032101	1 L	85826.290
Diphenylamine solution R1 solution 1% in	12	1032102	1 L	87823.290
Disodium hydrogenphosphate 9% in aqueous solution	24	1033301	1 L	87825.290
Dithizone solution R2	12	1033903	100 ml	87827.180

Reag.Ph. Eur. product	Shelf life in months	Ph. Eur. code	Pk	Cat. No
Divanadium pentoxide solution in sulphuric acid	24	1034001	100 ml	87828.180
Eriochrome black T tritrate solution 1% in Sodium Chloride	24	1056801	100 g	87873.180
Ethyl acetate reagent	3	1035301	1 L	87829.290
Fading solution (Destaining solution)	24	1012202	1 L	87788.290
Ferroine 0.025 mol/l solution	24	1038100	100 ml	87702.180
Fixation solution	6	1138700	500 ml	87972.260
Fixation solution Ph. Reag.	6	1122600	500 ml	87970.260
Formaldehyde solution 35%	12	1039101	100 ml	87837.180
Formamide reagent	6	1039201	100 ml	87838.180
Fuchsin solution decolourised	12	1039401	100 ml	87839.180
Fuchsin solution decolourised R1	12	1039402	100 ml	87840.180
Holmium perchlorate solution	12	1043101	1 L	87841.290
Hydrochloric acid bromine	12	1043507	1 L	87845.290
Hydrochloric acid diluted R1 0.01 mol/l	24	1043504	1 L	85849.290
Hydrochloric acid diluted R2 0.03 mol/l	24	1043505	1 L	87843.290
Hydrochloric acid diluted (2 mol/l)	24	1043503	1 L	85848.290
Hydrochloric acid solution R1 (25%)	24	1043501	1 L	87842.290
Hydrogen peroxide solution (3%)	6	1043800	1 L	87846.290
Hydroxide cupriethylene	6	3008700	1 L	87712.290
Hydroxylamine alcoholic solution	12	1044301	100 ml	87847.180
Hydroxylamine basic (I+II 500/500)	6	1044302	1 L	87848.290
Hydroxylamine basic R1 (I+II 500/500)	12	1044303	200 ml	87849.220
Hydroxylamine hydrochloric acid solution R2	12	1044304	100 ml	87850.180
Hypophosphoric reagent	6	1045200	1 L	87851.180
Indigo carmine solution	12	1045601	1 L	87852.290
Indigo carmine solution R1 2% in dilute sulphuric acid	12	1045602	1 L	87853.290
Iodide bromide reagent	12	1045901	100 ml	87714.180
Iodide solution R4	12	1045806	1 L	87856.290
Iodoplatinate reagent	12	1046300	1 L	87857.290
Iron (III) chloride solution R1 (10,5%)	12	1037801	1 L	87833.290
Iron (III) chloride solution R2 (1.3%)	12	1037802	1 L	87834.290
Iron (III) chloride sulphamic acid	12	1037804	1 L	87836.290
Iron salicylate solution	6	1046700	500 ml	87858.260
Iron solution 200 ppm	12	5001600C	100 ml	88086.180
Lanthane nitrate solution	24	1048001	1 L	87859.290
Lanthanum (III) chloride solution 50 mg/l La in water	24	1114001	1 L	87968.290
Lead (II) acetate paper	12	1048102	50	85869.150
Lead acetate on cotton	12	1048101	10 g	85868.130
Lead acetate solution	6	1048103	1 L	87860.290
Lead nitrate solution	12	1048301	1 L	87861.290
Lead solution 1000 ppm	12	5001700	100 ml	88087.180
Magnesium nitrate solution	12	1049801	1 L	87862.290
Malachite green solution	6	1050501	1 L	87863.290
Mercury acetate solution	6	1052001	100 ml	87864.180
Mercury bromide paper	12	1052101	1 L	85875.150
Mercury chloride solution	12	1052201	1 L	87865.290
Mercury nitrate solution (70%)	6	1052801	100 ml	87867.180
Mercury sulphate solution 5% in sulphuric acid 24%	12	1052600	100 ml	87866.180
Methanol reagent	24	1053203	100 ml	87868.180
Methoxyphenyl acetic acid reagent	24	1053601	100 ml	87869.180
Methyl orange solution	12	1054801	100 ml	87870.180
Methylene chloride, acid	12	1055901	100 ml	87871.180
Mixed indicator with methyl red	12	1055101	100 ml	87703.180
Molybdovanadic reagent	12	1056700	100 ml	87872.180
Naphtolbenzeine solution 0,2% in acetic acid	24	1057601	100 ml	87874.180
Ninhydrine and tin chloride reagent	3	1058302	100 ml	87875.180
Ninhydrine solution (0,2%)	12	1058303	100 ml	87713.180
Ninhydrine solution R2 (3%)	12	1058305	100 ml	87878.180
Ninhydrine solution R3 (0,4%)	12	1058306	100 ml	87879.180
Nitrate solution 1000 ppm	12	5002100C	100 ml	88088.180
Nitric acid diluted 20%	24	1058402	100 ml	87880.180
Nitrochromic reagent	24	1059100	100 ml	87881.180
Periodic acid solution 0,002 mol/l in acetic acid	12	1063000	100 ml	87887.180
O-Tolidine solution	6	1123001	500 ml	87971.260
Oxalic acid 0,5% in sulphuric acid 50%	12	1061401	1 L	87883.290
Palladium(II) chloride 0.4% in hydrochloric acid 13.5%	24	1061501	100 ml	87884.180
Pararosaniline solution decolorised	6	1062201	100 ml	87885.180
Perchloric acid solution 0.1 mol/l	24	1062901	100 ml	87886.180
Phenol red 0,002% and ammonium sulphate 0,005%	24	1063603	500 ml	87889.260
Phenol red 0,002% and ammonium sulphate 0,01%	24	1063604	500 ml	87890.260
Phenolphthalein paper	24	1063704	50 tests	87891.150
Phenylhydrazine chlorhydrate 0.36% in hydrochloric acid 5% solution	6	1064501	250 ml	87892.230
Phosphate solution 500 ppm	12	5002200C	100 ml	88089.180

Reag.Ph. Eur. product	Shelf life in months	Ph. Eur. code	Pk	Cat. No
Phosphomolybdotungstic reagent	12	1065000	100 ml	87893.180
Phosphomolybdotungstic reagent diluted	12	1065001	100 ml	87894.180
Phosphoric acid 10% diluted	12	1065101	100 ml	87895.180
Phosphotungstic solution 22% in orthophosphoric acid 11%	12	1065200	100 ml	87896.180
Picric acid reagent R1 (13 g/l in aqueous solution)	6	1065802	100 ml	87715.180
Picric acid solution 1%	6	1065801	100 ml	87897.180
Potassium chloride solution 0,1 mol/l	24	1069101	1 L	87898.290
Potassium chromate solution 5%	24	1069201	1 L	87899.290
Potassium dichromate solution R (0,36 mol/l)	12	1069501	500 ml	87716.260
Potassium dichromate solution R1 (0,5%)	12	1069502	1 L	87900.290
Potassium dihydrogene phosphate 0,2 mol/l	12	1069601	1 L	87901.290
Potassium ferriperiodate solution	6	1070801	50 ml	87917.130
Potassium heptaiodobismuthate solution 0,5%	3	1070603	500 ml	87915.260
Potassium heptaiodobismuthate solution 6,1%	6	1070600	100 ml	87912.180
Potassium heptaiodobismuthate solution 6,1%	6	1070601	600 ml	87913.270
Potassium heptaiodobismuthate solution 8%	3	1070602	100 ml	87914.180
Potassium hexacyanoferrate (III) solution 5,3%	12	1069801	100 ml	87902.180
Potassium hydrogen phthalate 0,2 mol/l	6	1070001	1 L	87903.290
Potassium iodide and starch solution	12	1070501	135 ml	87908.200
Potassium iodide saturated solution	12	1070504	100 ml	87911.180
Potassium iodobismuthate solution R4	3	1070605	100 ml	87916.180
Potassium iodide solution 1 mol/l	24	1070502	1 L	87909.290
Potassium iodide solution, iodinated	12	1070503	100 ml	87910.180
Potassium iodomercurate solution B	24	1071600B	100 ml	87710.180
Potassium iodomercurate solution	24	1071600A	100 ml	87709.180
Potassium permanganate 3% in ortho-phosphoric acid 22%	12	1070901	100 ml	87918.180
Potassium permanganate 3% in aqueous solution	24	1070902	1 L	87919.290
Potassium plumbite solution	6	1071200	100 ml	87920.180
Potassium tetraiodomercurate solution	12	1071500	100 ml	87921.180
Potassium thiocyanate 1 mol/l	24	1071801	1 L	87922.290
Purple crystal solution	12	1022901	100 ml	87811.180
Pyroantimonate potassium reagent	12	1071301	125 ml	87725.200
Quinaldine red solution	24	1073801	100 ml	87923.180
Red congo paper	12	1022002	50 Tests	87806.600
Revealing solution	12	1122500	500 ml	87969.260
Silver nitrate reagent	24	1078305	100 ml	87927.180
Silver nitrate solution 0,1 mol/l	24	1078302	1 L	87925.290
Silver nitrate solution 0,25 mol/l	24	1078301	1 L	87924.290
Silver nitrate solution 0,5 mol/l in pyridine	12	1078304	100 ml	87926.180
Sodium carbonate solution 1 mol/l	24	1079301	1 L	87928.290
Sodium carbonate solution 2% in sodium hydroxide 0,1 mol/l	24	1079302	1 L	87929.290
Sodium carbonate solution 4% in sodium hydroxide 0,2 mol/l	24	1079303	1 L	87930.290
Sodium chloride solution 20%	24	1079502	1 L	87931.290
Sodium hydrogen carbonate solution 0,5 mol/l	24	1081301	1 L	87932.290
Sodium hydroxide solution 10 mol/l	24	1081404	1 L	87936.290
Sodium hydroxide solution 0,001 mol/l in methanol	24	1081403	100 ml	87935.180
Sodium hydroxide solution 0,005 mol/l in methanol R1	24	1081405	100 ml	87937.180
Sodium hydroxide solution 20%	24	1081401	1 L	87933.290
Sodium hydroxide solution 50%	24	1081406	1 L	87938.290
Sodium hydroxide solution solution 2 mol/l	24	1081402	1 L	87934.290
Sodium hypochlorate solution 2,5% active chlorine	12	1081600	1 L	87939.290
Sodium sulphide solution 0,5 mol/l in glycerine 85%	6	1083901	100 ml	87940.180
Starch iodate paper	12	1085101	50 tests	87942.150
Starch iodide paper	24	1085106	50 tests	87943.150
Starch solution 1% in aqueous solution stabilised	12	1085103	100 ml	85964.180
Sulphanilic acid solution 0,02 mol/l in acetic acid 6%	12	1086201	100 ml	87944.180
Sulphanilic acid solution 0,02 mol/l in acetic acid 25%	12	1086203	100 ml	87945.180
Sulphomolybdic reagent R2	12	1086400	100 ml	87946.180
Sulphomolybdic reagent R3	12	1086500	100 ml	87947.180
Sulphuric - formaldehyde reagent	6	1086805	100 ml	87951.180
Sulphuric acid solution 1 mol/l	24	1086804	1 L	85973.290
Sulphate R solution 1000 ppm	12	5002802C	100 ml	88090.180
Sulphate R1 solution 1000 ppm	12	5002801C	100 ml	88091.180
Thiocetamide solution 4%	12	1089602	1 L	85975.290
Tin chloride solution 30% in hydrochloric acid 20%	12	1085001	100 ml	87941.180
Titan yellow paper	12	1090901	50 tests	87954.150
Titan yellow solution 0,05%	12	1090902	100 ml	87955.180
Titanium (III) chloride - sulphuric acid reagent	6	1091202	100 ml	87711.180
Titanium (III) chloride solution 15% in hydrochloric acid 10%	12	1091201	100 ml	87708.180
Trichloroacetic acid 4% in aqueous solution	12	1092501	100 ml	87956.180
Water ammonium-free	12	1095501	1 L	87958.290
Water carbondioxide-free	12	1095502	1 L	87959.290
Water for chromatography	12	1095503	1 L	87960.290

Reag.Ph. Eur. product	Shelf life in months	Ph. Eur. code	Pk	Cat. No
Water nitrate-free	12	1095506	1 L	87961.290
Water particle-free	12	1095507	1 L	87962.290
Water RWater R	12	1095500	5 L	87957.360
Xylenol orange triturate 1% in potassium nitrate	12	1096301	50 g	87963.150
Zinc acetate solution 0,25 mol/l	12	1102301	1 L	87967.290
Zinc chloride - formic acid solution	24	1096601	1 L	87965.290
Zinc iodide and starch solution	12	1096502	100 ml	87964.180
Zinc iodine chloride in aqueous solution	12	1096602	100 ml	87726.180

STANDARD COLOUR SOLUTIONS

Reag.Ph.Eur. Product	Shelf life in months	Pk	Cat. No.
Hydrochloric acid (dilution matrix)	24	1 L	87684.290
Primary blue solution	24	125 ml	85746.180
Primary blue solution	24	500 ml	85746.260
Primary opalescence solution	6	100 ml	85679.180
Primary red solution	24	125 ml	85745.180
Primary red solution	24	500 ml	85745.260
Primary yellow solution	24	125 ml	85744.180
Primary yellow solution	24	500 ml	85744.260
Standard colour solution B (brown)	6	125 ml	87169.180
Standard colour solution BY (brown-yellow)	6	125 ml	85748.180
Standard colour solution GY (green-yellow)	6	125 ml	85750.180
Standard colour solution R (red)	6	125 ml	85751.180
Standard colour solution Y (yellow)	6	125 ml	85749.180

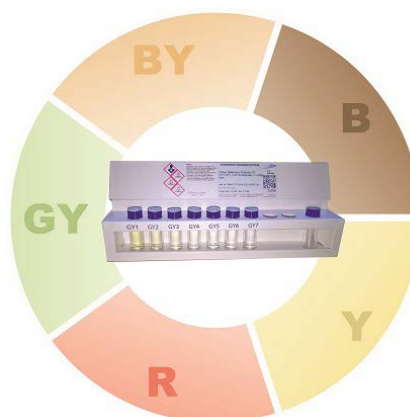


COLOUR REFERENCE SOLUTIONS ACC. TO PH. EUR., READY TO USE, VWR®

These solutions are developed and produced according to chapter 2.2.2. «Degree of coloration of liquids» of the European Pharmacopeia. (brown, brown-yellow, green-yellow, red, yellow). These kits are ready to use, and are dedicated to help you save time and money because preparation of these solutions is very complex.

- Easy to use kits
- Ready to use solutions
- Stable - shelf life of 36 months
- Certificate of Analysis provided with the kit

The kits are easy to use: Just add the sample into the empty vial provided with the kit and compare the colour with the reference solution in the rack.--- Certificate of Analysis provided with the kit



Description	Pk	Cat. No.
Colour reference solutions B (B1 - B9)	1 KIT	85752.001
Colour reference solutions BY (BY1 - BY7)	1 KIT	85753.001
Colour reference solutions Y (Y1-Y7)	1 KIT	85754.001
Colour reference solutions GY (GY1 - GY7)	1 KIT	85755.001
Colour reference solutions R (R1 - R7)	1 KIT	85756.001

RESIDUAL SOLVENTS STANDARDS ACCORDING TO ICH GUIDELINES

Residual solvents standards according to ICH guidelines	Pk(ml)	Cat. No.
Residual Solvents Standard Class III Mix A acc. to Ph Eur (Version 10) and USP 467 (23 components)	1 ml	88210.001
Residual Solvents Standard Class III Mix B acc. to Ph Eur (Version 10) and USP 467 (2 components)	1 ml	88211.001
Residual Solvents Standard Class III Mix C acc. to Ph Eur (Version 10) and USP 467 (1 component)	1 ml	88213.001
Residual solvents Standard (0861) Class III Mix A acc. to Ph Chinese (25 components)	1 ml	88220.001
Residual solvents Standard (0861) Class III Mix B acc. to Ph Chinese (2 components)	1 ml	88221.001
Residual Solvents Standard Class II Mix A acc. to Ph Eur (Version 10) (14 components)	1 ml	88216.001
Residual Solvents Standard Class II Mix A acc. to Ph Eur (Version 10) (13 components)	1 ml	88207.001
Residual Solvents Standard Class II Mix A acc. to Ph Eur (Version 10) (13 components)	1.5 ml	88207.015
Residual Solvents Standard Class II Mix B acc. to Ph Eur (Version 10) (10 components)	1 ml	88208.001
Residual Solvents Standard Class II Mix B acc. to Ph Eur (Version 10) (10 components)	1.5 ml	88208.015
Residual Solvents Standard Class II Mix B acc. to Ph Eur (Version 10) (11 components)	1 ml	88217.001
Residual Solvents Standard Class II Mix C acc. to Ph Eur (Version 10) (7 components)	1 ml	88218.001
"Residual Solvents Standard Class II Mix C acc to Ph Eur (Version 8.8) (6 components)	1 ml	88219.001
Residual Solvents Standard Class II Mix C acc. to Ph Eur (Version 10) (6 components)	1 ml	88209.001
Residual Solvents Standard Class II Mix C acc. to Ph Eur (Version 10) (6 components)	1.5 ml	88209.015
Residual Solvents Standard Class I acc. to Ph Eur (Version 10) (5 components)	1 ml	88214.001
Residual Solvents Standard Class I acc to Ph Eur (Version 8.8) (5 components)	1 ml	88215.001
Residual Solvents Standard Class I acc to Ph Eur (Version 8.8) (5 components)	1 ml	88206.001
Residual Solvents Standard Class I acc to Ph Eur (Version 8.8) (5 components)	1.5 ml	88206.015



COMPLETE RANGE OF USP STANDARD SOLUTIONS:

- Conforms to the latest USP edition
- Reduction of preparation time
- Free up resources for core activities
- Save valuable bench space
- Produced in accordance with recent USP methods
- Product consistency (independent, traceable and certified)
- Certificate of Analysis and Safety Data Sheets available on our website

Description	Shelf life in months	Pack Size	Cat.No
Acetate buffer USP Test Solution	24	100ml	85323.180
Acetate buffer USP Test Solution	24	500ml	85323.260
Acetic acid-Ammonium acetate buffer USP Test Solution	24	100ml	85325.180
Acetic acid-Ammonium acetate buffer USP Test Solution	24	500ml	85325.260
Ammonia USP Test Solution	12	100ml	85380.180
Ammonia USP Test Solution	12	500ml	85380.260
Ammonia-Ammonium chloride and Ammonium hydroxide buffer USP Test Solution	12	100ml	85326.180
Ammonia-Ammonium chloride and Ammonium hydroxide buffer USP Test Solution	12	500ml	85326.260
Ammonium iron(III) sulphate USP Test Solution	12	100ml	85346.180
Ammonium iron(III) sulphate USP Test Solution	12	500ml	85346.260
Ammonium carbonate USP Test Solution	12	100ml	85328.180
Ammonium carbonate USP Test Solution	12	500ml	85328.260
Ammonium chloride 10,5% USP Test Solution	24	100ml	85329.180
Ammonium chloride 10,5% USP Test Solution	24	500ml	85329.260
Ammonium thiocyanate USP Test Solution	24	100ml	85331.180
Ammonium thiocyanate USP Test Solution	24	500ml	85331.260
Barium chloride USP Test Solution/RS	24	100ml	85332.180
Barium chloride USP Test Solution/RS	24	500ml	85332.260
Barium nitrate USP Test Solution	24	100ml	85333.180
Barium nitrate USP Test Solution	24	500ml	85333.260
Potassium bromate 1 N USP Test Solution	24	100ml	85334.180
Potassium bromate 1 N USP Test Solution	24	500ml	85334.260
Calcium sulphate USP Test Solution	12	100ml	85339.180
Calcium sulphate USP Test Solution	12	500ml	85339.260
Copper (II) acetate USP Test Solution	12	100ml	85341.180
Copper (II) acetate USP Test Solution	12	500ml	85341.260
Copper (II) sulphate 0.5 mol/l USP Test Solution	24	100ml	85343.180
Copper (II) sulphate 0.5 mol/l USP Test Solution	24	500ml	85343.260
Cupric citrate 0.1 mol/l USP Test Solution	12	100ml	85342.180
Cupric citrate 0.1 mol/l USP Test Solution	12	500ml	85342.260
Glycerin Base USP Test Solution	24	100ml	85348.180
Glycerin Base USP Test Solution	24	500ml	85348.260

Description	Shelf life in months	Pack Size	Cat.No
Hydrochloric Acid 1.00 N USP Test Solution	24	100ml	85349.180
Hydrochloric Acid 1.00 N USP Test Solution	24	500ml	85349.260
Iodine-Iodide 0.100 N USP Test Solution	12	100ml	85350.180
Iodine-Iodide 0.100 N USP Test Solution	12	500ml	85350.260
Iron (III) Chloride USP Test Solution	24	100ml	85347.180
Iron (III) Chloride USP Test Solution	24	500ml	85347.260
Lead (II) acetate USP Test Solution	6	100ml	85351.180
Lead (II) acetate USP Test Solution	6	500ml	85351.260
Mercury (II) chloride USP Test Solution	12	100ml	85352.180
Mercury (II) chloride USP Test Solution	12	500ml	85352.260
Oxalic Acid 6.3% USP Test Solution	24	100ml	85358.180
Oxalic Acid 6.3% USP Test Solution	24	500ml	85358.260
Perchloric Acid 0.100 N USP Test Solution	12	100ml	85359.180
Perchloric Acid 0.100 N USP Test Solution	12	500ml	85359.260
Phosphotungstic acid 1% USP Test Solution	12	100ml	85363.180
Phosphotungstic acid 1% USP Test Solution	12	500ml	85363.260
Potassium acetate USP Test Solution	12	100ml	85364.180
Potassium acetate USP Test Solution	12	500ml	85364.260
Potassium carbonate USP Test Solution	18	100ml	85365.180
Potassium carbonate USP Test Solution	18	500ml	85365.260
Potassium hexacyanoferrate(III) in ammonium hydroxide USP Test Solution	12	100ml	85327.180
Potassium hexacyanoferrate(III) in ammonium hydroxide USP Test Solution	12	500ml	85327.260
Potassium iodide 16.5% (w/v) USP Test Solution	18	100ml	85366.180
Potassium iodide 16.5% (w/v) USP Test Solution	18	500ml	85366.260
Potassium permanganate 0.100 N USP Test Solution	18	100ml	85367.180
Potassium permanganate 0.100 N USP Test Solution	18	500ml	85367.260
Potassium sulphate USP Test Solution	24	100ml	85368.180
Potassium sulphate USP Test Solution	24	500ml	85368.260
Resorcinol USP Test Solution	12	100ml	85369.180
Resorcinol USP Test Solution	12	500ml	85369.260
Silver nitrate 0.100 N USP Test Solution	18	100ml	85370.180
Silver nitrate 0.100 N USP Test Solution	18	500ml	85370.260
Sodium acetate USP Test Solution	24	100ml	85371.180
Sodium acetate USP Test Solution	24	500ml	85371.260
Sodium chloride USP Test Solution	24	100ml	85372.180
Sodium chloride USP Test Solution	24	500ml	85372.260
Sodium hydroxide 1.00 N USP Test Solution	24	100ml	85373.180
Sodium hydroxide 1.00 N USP Test Solution	24	500ml	85373.260
Sodium thiosulphate 0.100 N USP Test Solution	24	100ml	85374.180
Sodium thiosulphate 0.100 N USP Test Solution	24	500ml	85374.260
Sulfanilic acid in acetic acid USP Test Solution	12	100ml	85375.180
Sulfanilic acid in acetic acid USP Test Solution	12	500ml	85375.260
Sulphuric Acid 1.00 N USP Test Solution	24	100ml	85376.180
Sulphuric Acid 1.00 N USP Test Solution	24	500ml	85376.260
Zinc Sulphate 0.05 N USP Test Solution	18	100ml	85378.180
Zinc Sulphate 0.05 N USP Test Solution	18	500ml	85378.260

Note: All weights and dimensions shown are approximate



VWR Chemicals volumetric solutions for titration

All you need for titration.

- AVS TITRINORM: 'Ready to use' volumetric solutions, traceable to NIST available in different packs
- ConvoL NORMADOSE: Concentrated volumetric solutions
- Secondary reference standards for reliable calibration in volumetric analysis

DISCOVER
MORE



PR20068-EN

VWR® Chemicals for laboratories scale up & production

- Stability
- Reliability
- Value & performance
- Innovations



Download the
FULL BROCHURE



Setting science in motion to create a better world



AUSTRIA

VWR International GmbH
Graumannsgasse 7
1150 Wien
Tel.: +43 1 97 002 0
info.at@vwr.com

BELGIUM

VWR International bv
Researchpark Haasrode 2020
Geldenaaksebaan 464
3001 Leuven
Tel.: +32 (0) 16 385 011
vwr.be@vwr.com

CZECH REPUBLIC

VWR International s. r. o.
Veetee Business Park
Pražská 442
CZ - 281 67 Stříbrná Skalice
Tel.: +420 321 570 321
info.cz@vwr.com

DENMARK

VWR International A/S
Tobaksvejen 21
2860 Søborg
Tel.: +45 43 86 87 88
info.dk@vwr.com

FINLAND

VWR International Oy
Valimotie 9
00380 Helsinki
Tel.: +358 (0) 9 80 45 51
info.fi@vwr.com

FRANCE

VWR International S.A.S.
Le Périgares – Bâtiment B
201, rue Carnot
94126 Fontenay-sous-Bois cedex
Tel.: 0 825 02 30 30* (national)
Tel.: +33 (0) 1 45 14 85 00 (international)
info.fr@vwr.com
* 0,18 € TTC/min + prix appel

GERMANY

VWR International GmbH
Hilpertstraße 20a
D - 64295 Darmstadt
Tel.: 0800 702 00 07* (national)
Tel.: +49 (0) 6151 3972 0 (international)
info.de@vwr.com
*Freecall

HUNGARY

VWR International Kft.
Simon László u. 4.
4034 Debrecen
Tel.: +36 52 521130
info.hu@vwr.com

IRELAND

VWR International Ltd
Orion Business Campus
Northwest Business Park
Ballycoolin
Dublin 15
Tel.: +353 (0) 1 88 22 222
sales.ie@vwr.com

ITALY

VWR International S.r.l.
Via San Giusto 85
20153 Milano (MI)
Tel.: +39 02 3320311
info.it@vwr.com

THE NETHERLANDS

VWR International B.V.
Postbus 8198
1005 AD Amsterdam
Tel.: +31 (0) 20 4808 400
info.nl@vwr.com

NORWAY

VWR International AS
Brynsalleen 4,
0667 Oslo
Tel.: +47 22 90 00 00
info.no@vwr.com

POLAND

VWR International Sp. z o.o.
Limbowa 5
80-175 Gdansk
Tel.: +48 58 32 38 200
info.pl@vwr.com

PORTUGAL

VWR International - Material de
Laboratório, Lda
Centro Empresarial de Alfragide
Rua da Indústria, nº 6
2610-088 Amadora
Tel.: +351 21 3600 770
info.pt@vwr.com

SPAIN

VWR International Eurolab S.L.U.
C/ Tecnología 5-17
A-7 Llinars Park
08450 - Llinars del Vallès
Barcelona
Tel.: +34 902 222 897
info.es@vwr.com

SWEDEN

VWR International AB
Fagerstagatan 18a
163 94 Stockholm
Tel.: +46 (0) 8 621 34 00
kundservice.se@vwr.com

SWITZERLAND

VWR International GmbH
Lerzenstrasse 16/18
8953 Dietikon
Tel.: +41 (0) 44 745 13 13
info.ch@vwr.com

UK

VWR International Ltd
Customer Service Centre
Hunter Boulevard - Magna Park
Lutterworth
Leicestershire
LE17 4XN
Tel.: +44 (0) 800 22 33 44
uksales@vwr.com

CHINA

VWR (Shanghai) Co., Ltd
Bld.No.1, No.3728 Jinke Rd,
Pudong New District
Shanghai, 201203- China
Tel.: 400 821 8006
info_china@vwr.com

INDIA

VWR Lab Products Private Limited
No.139, BDA Industrial Suburb,
6th Main, Tumkur Road, Peenya Post,
Bangalore, India - 560058
Tel.: +91 80 28078400
vwr_india@vwr.com

KOREA

VWR International ~
17, Daehak 4-ro, Yeongtong-gu,
Suwon-si, Gyeonggi-do
Tel.: +82 31 645 7256
saleskorea@avantorsciences.com

MIDDLE EAST & AFRICA

VWR International FZ-LLC
Office 203, DSP Lab Complex,
Dubai Science Park,
Dubai, United Arab Emirates
Tel: +971 4 5573271
Info.mea@vwr.com

SINGAPORE

VWR Singapore Pte Ltd
18 Gul Drive
Singapore 629468
Tel: +65 6505 0760
sales.sg@vwr.com

GO TO **VWR.COM** FOR THE LATEST NEWS, SPECIAL OFFERS AND DETAILS FROM YOUR LOCAL VWR SUPPORT TEAM