



CERTIFICATE OF ANALYSIS

Product Name : COPPER METAL POWDER 98% Electrolytic grade
Lot No. : Sample COA Analyzed On : 18-Jul-2023
Mol. Formula : Cu Mol. Weight : 63.55
Code No. : 02950 CAS No. : 7440-50-8
Mfg. Date : Jul-2023 Exp. Date : Jun-2028
HAZ. / P.G. : 4.1 / II UN No. : 3089

Sr.	Tests	Specifications	Results
1	Appearance	Reddish brown powder	Reddish brown powder
2	Copper (Cu)	Min 98.0%	99.80%
3	Acid insoluble matter	Max 0.1%	0.02%
4	Particle size	- 45 micron (Min 90%)	90.11%

CONCLUSION -This above product complies as per the specifications of LOBA CHEMIE PVT. LTD.

Massiullah
Chemist

Shashikant Gaikwad
QC Manager

LOBA CHEMIE PVT. LTD.

Works : Plot No. D-22, MIDC, Tarapur Industrial Area, Tarapur, Boisar, Taluka- Palghar, Dist. Palghar, Pin-401506

Tel: 91.02525-663630/39/34

Regd Office : 107 Wode House Road, Jehanghir Villa, Colaba, Mumbai-400005

Tel: 91.22.6663 6663, Fax: 91.22.22151099

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CERTIFICATE OF ANALYSIS

Product Name : SULPHUR POWDER 98% Extra Pure
Lot No. : Sample COA Analyzed On : 04-Nov-2023
Mol. Formula : S Mol. Weight : 32.06
Code No. : 06186 CAS No. : 7704-34-9
Mfg. Date : Nov-2023 Exp. Date : Oct-2028
HAZ. / P.G. : 4.1 / III UN No. : 1350

Sr.	Tests	Specifications	Results
1	Appearance	Fine yellow powder	Fine yellow powder
2	Assay	Min 98%	99.21%
3	Acidity or alkalinity	Passes test	Passes test
4	Sulphate (SO ₄)	Max 0.01%	0.0090%
5	Chloride (Cl)	Max 0.01%	0.006%
6	Sulphide (S)	Max 0.01%	<0.01%
7	Arsenic (As)	Max 0.004%	< 0.0004%
8	Selenium (Se)	Passes test	Passes test
9	Sulphated ash	Max 0.25%	0.22%

CONCLUSION -This above product complies as per the specifications of LOBA CHEMIE PVT. LTD.

Narayan
Chemist

Javed Tamboli
QC Manager

LOBA CHEMIE PVT. LTD.

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06/01.06.2023



CERTIFICATE OF ANALYSIS

Product Name : CUPRIC OXIDE POWDER 97% Extra Pure
Lot No. : Sample COA Analyzed On : 07-Aug-2023
Mol. Formula : CuO Mol. Weight : 79.55
Code No. : 03076 CAS No. : 1317-38-0
Mfg. Date : Aug-2023 Exp. Date : Jul-2028
HAZ. / P.G. : 9 / III UN No. : 3077

Sr.	Tests	Specifications	Results
1	Appearance	Black coloured fine powder	Black coloured fine powder
2	Assay	Min. 97%	99.42%
3	Sulphate (SO ₄)	Max. 0.06%	0.0096%
4	Iron (Fe)	Max. 0.1%	0.00378%

CONCLUSION -This above product complies as per the specifications of **LOBA CHEMIE PVT. LTD.**

Massiullah
Chemist

Shashikant Gaikwad
QC Manager

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CERTIFICATE OF ANALYSIS

Product Name : SULPHURIC ACID 95-97% Extra Pure
Lot No. : Sample COA Analyzed On : 06-Nov-2023
Mol. Formula : H₂SO₄ Mol. Weight : 98.08
Code No. : 00288 CAS No. : 7664-93-9
Mfg. Date : Nov-2023 Exp. Date : Oct-2028
HAZ. / P.G. : 8 / II UN No. : 1830

Sr.	Tests	Specifications	Results
1	Appearance	A clear, oily liquid	A clear oily liquid
2	Assay (alkalimetric)	95.0 - 97.0%	96.66 %
3	Residue on ignition	Max 0.01%	0.0014 %

CONCLUSION -This above product complies as per the specifications of LOBA CHEMIE PVT. LTD.

Ravindra
Chemist

Shashikant Gaikwad
QC Manager

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CERTIFICATE OF ANALYSIS

Product Name : SODIUM HYDROXIDE FLAKES 97% Extra Pure
Lot No. : Sample COA Analyzed On : 03-Oct-2023
Mol. Formula : NaOH Mol. Weight : 40.00
Code No. : 05897 CAS No. : 1310-73-2
Mfg. Date : Oct-2023 Exp. Date : Sep-2028
HAZ. / P.G. : 8 / II UN No. : 1823

Sr.	Tests	Specifications	Results
1	Appearance	White flakes	White flakes
2	Assay	Min. 97.0%	97.06%
3	Insoluble matter in water	Max. 0.05%	<0.05%
4	Carbonate (as Na ₂ CO ₃)	Max. 2.0%	0.40%
5	Chloride (Cl)	Max. 0.05%	0.038%
6	Sulphate (SO ₄)	Max. 0.05%	0.029%
7	Heavy metal (as Pb)	Max. 0.005%	Nil
8	Arsenic (As)	Max. 0.0003%	<0.0003%
9	Iron (Fe)	Max. 0.005%	0.00013%

CONCLUSION -This above product complies as per the specifications of LOBA CHEMIE PVT. LTD.

Ruchita R
Chemist

Jagruti B. Patil
QC Manager

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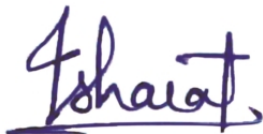
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CERTIFICATE OF ANALYSIS

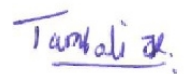
Product Name	: SODIUM SULPHITE ANHYDROUS 95% Extra Pure Confirming to BP		
Lot No.	: Sample COA	Analyzed On	: 28-Oct-2023
Mol. Formula	: Na ₂ SO ₃	Mol. Weight	: 126.04
Code No.	: 06023	CAS No.	: 7757-83-7
Mfg. Date	: Oct-2023	Exp. Date	: Sep-2028
HAZ. / P.G.	: -	UN No.	: -

Sr.	Tests	Specifications	Results
1	Appearance	White crystalline powder	White crystalline powder
2	Assay (iodometric)	95 - 100.5%	98.05%
3	SO ₂	Min 48%	49.87%
4	Identity	Passes test	Passes test
5	Appearance of solution	Passes test	Passes test
6	Thiosulphate (S ₂ O ₃)	Max 0.04%	< 0.04%
7	Arsenic (As)	Max 0.0002%	< 0.0002%
8	Heavy metal (as Pb)	Max 0.001%	0.00007%
9	Iron (Fe)	Max 0.001%	0.00015%
10	Copper (Cu)	Max 0.0005%	Nil
11	Selenium (Se)	Max 0.001%	< 0.001%
12	Zinc (Zn)	Max 0.0025%	0.00020%

CONCLUSION -This above product complies as per the specifications of **LOBA CHEMIE PVT. LTD.**



Isharat
Chemist



Javed Tamboli
QC Manager

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CERTIFICATE OF ANALYSIS

Product Name : METHYL ORANGE INDICATOR ACS
C.I.No.13025

Lot No. : Sample COA Analyzed On : 09-Aug-2023

Mol. Formula : C14H14N3NaO3S Mol. Weight : 327.33

Code No. : 04670 CAS No. : 547-58-0

Mfg. Date : Aug-2023 Exp. Date : Jul-2028

HAZ. / P.G. : 6.1 / III UN No. : 3143

Sr.	Tests	Specifications	Results
1	Appearance	Yellowish-orange colored powder	Yellowish-orange colored powder
2	Identity (IR)	Conforms to structure	Conforms
3	Solubility (0.1 % in water)	Clear (passes ACS test)	Clear
4	Visual transition range	from pH 3.2 (pink or red) to pH 4.4 (yellow-orange)	Passes test
5	Absorption maxima in 0.01 N NaOH	461 to 469 nm	463.5 nm

CONCLUSION -This above product complies as per the specifications of LOBA CHEMIE PVT. LTD.

Isharat
Chemist

Shashikant Gaikwad
QC Manager

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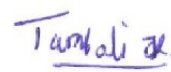
Product Name	: GLYCEROL 98% Extra Pure Confirming to IP	Analyzed On	: 13-Oct-2023
Lot No.	: Sample COA	Mol. Weight	: 92.09
Mol. Formula	: C ₃ H ₈ O ₃	CAS No.	: 56-81-5
Code No.	: 00155	Exp. Date	: Sep-2028
Mfg. Date	: Oct-2023	UN No.	: -
HAZ. / P.G.	: -		

Sr.	Tests	Specifications	Results
1	Appearance	A clear, colourless or almost colourless, odourless; very hygroscopic, syrupy liquid	Clear, colourless, odourless; very hygroscopic, syrupy liquid
2	Assay (on anhydrous basis)	98 - 101%	99.9%
3	Identification as per IP	To comply	Complies
4	Clarity (50% w/v in distilled water)	Clear	Clear
5	Colour (10 ml of 50% w/v solution diluted to 25 ml)	Colorless	Colorless
6	Refractive index (20°C; 589 nm)	1.470 - 1.475	1.47352
7	Acidity	Max 0.2 ml of 0.1 N NaOH required for 50 ml of 50% w/v solution	0.1 ml of 0.1 N NaOH required
8	Alkalinity	NIL	Nil
9	Heavy metal (as Pb)	Max 0.0005%	0.00010%
10	Iron (Fe)	Max 0.0004%	0.000124%
11	Chloride (Cl)	Max 0.0025%	0.00070%
12	Sulphate (SO ₄)	Max 0.003%	0.0012%
13	Aldehyde and reducing substance	To Pass IP test	Passes test
14	Ester	Min 8.0 ml of 0.1M HCl required to decolorise the 50 ml of 50% w/v solution of glycerin in water	Passes test
15	Ethylene glycol, diethylene glycol and related substances	To comply	Complies
16	Sugar	To pass IP test	Passes test
17	Sulphated ash	Max 0.01%	0.0057%
18	Water (H ₂ O)	Max 2%	0.29%

CONCLUSION - This above product complies as per the specifications of **LOBA CHEMIE PVT. LTD.**



Ruchita D.
Chemist



Javed Tamboli
QC Manager

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