

**Qualikems**

Qualikems Lifesciences Pvt. Ltd.

(Formerly known as Qualikems fine chem Pvt Ltd)

Works : Plot No. 68-69, G.I.D.C Industrial Estate, Nandesari, Vadodara-391340 (Gujarat)

Telefax : 91-265-2841531, 2841532, 2841534, 2841535.

Sales Office : 5531, Basti Harphool singh Sadar Thana Road, Delhi-110006

Tel : +91-11-23618475/23618476, Fax: +91-11-23678476

Email: salesindia@qualikems.com , www.qualikems.com.

CERTIFICATE OF ANALYSIS

Name of Product	:	Manganese Sulphate	CAS No.	:	10034-96-5
Molecular Formula	:	MnSO ₄ .H ₂ O	Molecular Weight	:	169.02 g/mole
Batch No.	:	QB2501003	Grade	:	AR
Mfg. Date	:	January-2025	Retest Date	:	December-2029

Sr. No.	Tests	Specification	Observation
1	Appearance	White to off white to pink colored powder	Complies
2	Assay	Min 99.0 %	99.20 %
3	Insoluble matter	Max 0.01%	0.006 %
4	Chloride(Cl)	Max 0.005%	< 0.005 %
5	Calcium(Ca)	Max 0.005%	0.003%
6	Iron(Fe)	Max 0.002%	<0.002 %
7	Heavy Metal (As Pb)	Max 0.002%	0.001 %
8	Magnesium(Mg)	Max 0.005%	0.004%
9	Nickel(Ni)	Max 0.02%	0.01%
10	Potassium(K)	Max 0.01%	0.004 %
11	Sodium(Na)	Max 0.05%	0.02%
12	Zinc(Zn)	Max 0.005%	0.003 %
13	Substances reducing KMnO ₄ (as O)-ACS	To Passes Test	Passes Test
14	Loss on Ignition	10-12 %	10.81 %

Conclusion: Product complies as per above specification.

Note: This document has been produced electronically and it is valid without signature.

Quality of our product tested and reported in the COA are as per the specification and without any prejudice/liability what so ever the end product performance

(An ISO 9001 : 2015 & 14001 : 2015 & 45001:2018 Certified Company)

NSIC - CRISIL SE 2B which indicates " High Performance Capability & Moderate Financial Strength