## SiHAULi SIHAULI CHEMICALS PVT. LTD.

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## **CERTIFICATE OF ANALYSIS**

PRODUCT: Manganese Sulphate (MnSO4) High Grade

MFG DATE: 03/08/2023 EXP DATE: 03/08/2026

ITEM	SPECIFICATION
Product name	Manganese Sulphate (MnSO4) (High Grade)
Packaging-primary (inner packaging)	Plastic liner.
Packaging-shipping (outer packaging)	HDPE bags.
Storage conditions	Hygroscopic. Keep bags tightly closed. Keep bags in a cool, well-ventilated area. Do not store above 25°C (77°F).
Specific labeling requirements	Specimen Of Label – Attached
Intended use / sensitive customer	Technical
Customer / consumer use and preparation instructions	Pigment & Metal Treatment Industry
Physical & Chemical Specification	
Test	Specification
Appearance	White to light pink powder
Melting point	710°C
% Assay (w/w) on dry basis	MIN 98.50%
Manganese content	32.00% min.
Chloride	0.04% max.
Insoluble matter (w/w)	0.1% max.
Bulk density	1.20 – 1.40 gm/cc
Dissolution test (10%)	Clear solution
Moisture	0.5% Max
ph of (10% solution)	5.5 to 7.5

antimony	15 ppm Max.
lead (pb)	30 ppm Max
arsenic (as)	2 ppm Max
mercury	0.5 ppm Max
cadmium (cd)	10 ppm Max
nickel (ni)	80 ppm Max
iron (fe)	50 ppm Max

Remark: The product complies with respect to above mentioned tests as per the in-house specification

SIHAULI CHEMICALS PVT. LTD.

QA/QC Incharge

For SIHAULI CHEMICALS PVT. LTD.