

# **SiHAULi** SIHAULI CHEMICALS PVT. LTD.

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## CERTIFICATE OF ANALYSIS

**PRODUCT: Manganese Sulphate (MnSO<sub>4</sub>) Fertilizer GRADE**

**MFG DATE: 03/08/2023**

**EXP DATE: 03/08/2026**

ITEM	SPECIFICATION
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	Fertilizer
Customer / Consumer Use and Preparation Instructions	Intermediate For Agro Chemical & Widely used in Agricultural
<b>PHYSICAL &amp; CHEMICAL SPECIFICATION</b>	
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
Dissolution Test (10%)	80% Min. Passing through 200 BSS
Chloride	0.04% max.
Insoluble matter (w/w)	0.1% max
Bulk Density	1.20 – 1.40 g/cc
Dissolution Test (10%)	Clear solution
Moisture	0.30% Max
pH of 10% Solution	5.0 to 7.0
Lead (Pb)	50 ppm Max

Arsenic	5 ppm Max
Mercury	1 ppm Max
Cadmium (Cd)	20 ppm Max
Nickel	100 ppm Max
Iron (Fe)	50 ppm Max
Hexavalent Chromium (Cr VI)	2 ppm Max
Perchlorate (ClO <sub>4</sub> )	50 ppm Max
Copper (Cu)	600 ppm Max
Zinc (Zn)	1500 ppm Max
Biuret	12 ppm Max

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

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QA/QC Incharge

For SIHAULI CHEMICALS PVT. LTD.