

# SiHAULi SIHAULI CHEMICALS PVT. LTD.

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## CERTIFICATE OF ANALYSIS

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

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

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

ITEM	SPECIFICATION
PRODUCT NAME	Manganese Sulphate (MnSO <sub>4</sub> ) Agriculture GRADE
CHARACTERISTICS	Description
PACKAGING-PRIMARY (INNER PACKAGING)	Plastic liner.
PACKAGING-SHIPING (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
<b>PHYSICAL &amp; CHEMICAL SPECIFICATION</b>	
MELTING POINT	710°C
APPEARANCE	White to light pink powder
<b>Chemical Characteristics</b>	
% 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
% 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

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.