

SiHAULi SIHAULI CHEMICALS PVT. LTD.

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CERTIFICATE OF ANALYSIS

PRODUCT: Manganese Sulphate (MnSO₄) (Feed GRADE)

MFG DATE: 03/08/2023

EXP DATE: 03/08/2026

ITEM	SPECIFICATION
Product Name	Manganese Sulphate (MnSO ₄) (Feed GRADE)
Packaging-Primary	Plastic Liner
Packaging-Shipping	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	Feed
Customer / Consumer Use and Preparation Instructions	Used for Animal Feed Premix As a Micro Nutrient
PHYSICAL & CHEMICAL SPECIFICATION	
Physical Characteristics	---
Appearance	White to light pink powder
Bulk density	1.20 – 1.40 gm/cc
Dissolution Test (10%)	Highly Soluble In Water
Particle Size	80 % Min. Passing Through 200 BSS
Chemical Characteristics	
% Assay (w/w) on Dry Basis	98.70 % Min.
Manganese Content	32.00 0/0 Min.
Chloride	0.035 % Max
Insoluble matter(w/w)	0.1% Max
Moisture	0.5 % Max
pH of (10 % Solution)	5.5 to 7.0
Dioxin (ng/kg)	1.0 Max

Sum of Dioxin and Dioxin Like PCB (ng/kg)	1.5 Max
Antimony (Sb)	15 ppm Max
Lead (Pb)	15 ppm Max
Arsenic (As)	2 ppm Max
Mercury (Hg)	0.1 ppm Max
Cadmium (Cd)	10 ppm Max
Nickel (Ni)	10 ppm Max
Iron (Fe)	30 ppm Max
Microbiological	----
Total Visible Count	100 cfu/gram Max
Yeast & Mould Count	20 cfu/gram Max
E-Coli	Absent
Salmonella	Absent

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.