

SPECIFICATION

Product Name: Manganese Sulphate Monohydrate 32%
Chemical Formula: $\text{MnSO}_4 \cdot \text{H}_2\text{O}$
CAS Number: 10034-96-5
Molecular Weight: 169.02 g/mol
Appearance: Pale Pink Color Crystalline Powder.
Odor: Odorless.

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min/Max)
Assay	%	99.04%	Min. 99%
Mn Content	%	32.2%	Min. 32%
Iron	PPM	28 PPM	Max. 80 PPM
Insoluble Matter	%	0.028%	Max. 0.04%
Magnesium	PPM	131 PPM	Max. 150 PPM
Moisture	%	0.4%	Max. 0.5%
Chloride	PPM	284 PPM	Max. 300 PPM

Physical Properties

- Solubility: Highly soluble in water. Insoluble in alcohol. Slightly soluble in glycerol.

Shelf Life & Storage

- Shelf Life: 3 years from date of manufacture under recommended storage.
- Storage Conditions: Keep in a cool, dry, and well-ventilated area. Store in tightly closed, moisture-proof containers. Protect from humidity and direct sunlight. Avoid contact with strong oxidizing agents.

Applications

- Use: Used as a micronutrient fertilizer to correct manganese deficiency in crops. Improves photosynthesis and chlorophyll formation. Acts as a trace mineral supplement in livestock and poultry feed. Used in manufacturing of fertilizers and agrochemicals. Functions as a raw material in chemical synthesis. Acts as a drying agent in paints and varnishes.

- Dosage: Depends on the application (fertilizer/feed/industrial) and must follow recommended guidelines or regulatory standards.

Packaging

- Standard Packing: 50 kg woven PP bags with inner liner and 100 grams or as per customer requirement.
- Labeling: Product name, batch number, net weight, manufacture date, expiry date, and manufacturer details.

* Specifications are based on the manufacturer's provided specifications.