

Manganese Sulfate Powder

$MnSO_4$ • Analytical Reagent & Industrial Grade • CAS No: 7785-87-7

98% MIN PURITY

PALE PINK POWDER

PRODUCT OVERVIEW

Discover invincible performance with our **Manganese Sulfate Powder ($MnSO_4$)**—engineered to deliver superior consistency, high purity ($\geq 98\%$), and unyielding stability. Presented in a fine, pale pink powder form, this vital inorganic salt is completely soluble in water, providing bioavailable manganese essential for diverse industrial and agricultural applications.

PURITY

$\geq 98.0\%$ Min

PHYSICAL FORM

Pale Pink Powder

SOLUBILITY

100% Water Soluble

COMPETITIVE ADVANTAGES & KEY USAGE

- **High-Efficiency Fertilizer:** Delivers bioavailable manganese (Mn^{2+}) directly to deficient soils and crops, promoting robust photosynthesis, nitrogen assimilation, and enhanced crop yield.
- **Animal Feed Additive:** Formulated as an essential dietary micronutrient for livestock and poultry, fostering strong skeletal growth, optimal fertility, and metabolic enzyme function.
- **Analytical & Industrial Grade:** Complies with analytical reagent standards for reliable performance in chemical synthesis, dye manufacture, ceramics, and analytical laboratory testing.
- **Superior Stability:** Non-caking, unyielding stability with rapid dissolution characteristics under standard aqueous preparation.



COMMERCIAL & TRADE INFORMATION

Minimum Order Qty (MOQ)	Payment Terms	Supply Ability	Delivery Lead Time	Main Domestic Market
100 Kilograms	Cash in Advance (CID)	5,000 Kilograms / Month	7 Days Prompt Dispatch	All India (Nationwide)

TECHNICAL SPECIFICATIONS & CHEMICAL PROPERTIES

Physical & Chemical Properties		Classification, Molecular Data & Standards	
Chemical Formula	MnSO ₄	CAS Numbers	7785-87-7 (anhydrous) 10034-96-5 (monohydrate) 10101-68-5 (tetrahydrate)
Structural Formula	MnSO ₄	EINECS No.	232-089-9
Other Names	Manganous sulfate	Classification	Inorganic chemical / Inorganic salt
Purity	98% min	Molecular Weight	151.00 g/mol (anhydrous) 169.02 g/mol (monohydrate) 223.07 g/mol (tetrahydrate) 277.11 g/mol (heptahydrate)
Form & Shape	Solid / Fine Powder	Grade / Standard	Industrial / Analytical Reagent Grade
Color & Appearance	Pale pink powder / White crystals	Main Material	Manganese Compound
Odor & Taste	Odorless / Tasteless	Toxicity & Safety	Regulated compound; non-toxic in recommended doses
Density	2.95 g/cm ³	Storage Conditions	Keep in a cool, dry place; seal tightly away from moisture
Melting Point	710 °C		
Boiling Point	850 °C		
pH Level	5.0 – 7.0 (1% aqueous solution)		
Solubility	Completely soluble in water		

CERTIFICATIONS, PACKAGING & TRACEABILITY

Every batch of Manganese Sulfate Powder is certified to meet rigorous analytical reagent grade standards and EINECS compliance. Packaged securely in multi-layered moisture-proof bags/drums to ensure zero clumping and maximum freshness. Full batch documentation, Certificate of Analysis (CoA), and traceability details are provided with every shipment.

FREQUENTLY ASKED QUESTIONS (FAQS)

Q: How should Manganese Sulfate Powder be stored for maximum shelf life?
A: Store in a tightly closed container in a cool, dry, and well-ventilated area away from direct sunlight and ambient moisture to maintain its fine powder consistency and high 98% purity.
Q: What are the main benefits of using Manganese Sulfate Powder in agriculture?
A: It supplies bioavailable manganese (Mn²⁺) to crops, preventing chlorosis, stimulating enzyme synthesis for photosynthesis, and substantially improving crop yields.
Q: Where can Manganese Sulfate Powder be applied besides agriculture?
A: In addition to fertilizers, it is used as a vital livestock feed supplement, in laboratory analytical reagents, and across industrial manufacturing processes such as dyeing and metallurgy.
Q: What is the process for obtaining a quotation and placing an order?
A: Submit your quantity requirements to receive a formal quotation. Upon agreement of terms (MOQ: 100 kg), your order is processed for prompt dispatch and handover to logistics.
Q: When can I expect delivery after placing an order?
A: Once confirmed with Cash in Advance (CID) terms, orders are handed over immediately with an estimated delivery timeline of 7 days across all Indian states.
Q: What certifications and quality standards does the Manganese Sulfate Powder comply with?
A: The powder adheres to Analytical Reagent Grade specifications and EINECS 232-089-9 compliance, ensuring unyielding chemical integrity and full traceability.