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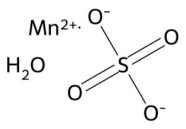
CIN U46909GJ2025PTC164345

CERTIFICATE OF ANALYSIS Standard product specification

Manganese(II) sulfate monohydrate

CAS 10034-96-5 · H2MnO5S · Feed Grade



STRUCTURAL FORMULA

1. PRODUCT IDENTITY

Product name	Manganese(II) sulfate monohydrate
C.A.S. number	10034-96-5
Molecular formula	H2MnO5S
Molecular weight	169.02 g/mol
Grade / standard	Feed Grade
Description	Pale pink crystalline powder
Product group	Feed Additives
Category	Veterinary APIs & Feed Additives
Country of origin	India
Packing	Bags, drums, carboys, IBC or ISO tank as applicable — customer-specified packing available
Storage	Cool, dry, well-ventilated place in tightly closed original packing

2. ANALYTICAL SPECIFICATION

S. NO.	TEST PARAMETER	SPECIFICATION	TYPICAL RESULT	METHOD
1	Description	Pale pink crystalline powder	Complies	Visual
2	Identification	Conforms to the structure of the substance	Complies	FTIR / Chemical test
3	Solubility	As per specification	Complies	Visual / Monograph
4	Clarity & Colour of Solution	Clear; not more intensely coloured than reference	Complies	Visual (Monograph)

5	pH (1 % w/v aqueous solution)	As per monograph	6.2	Potentiometry
6	Water Content (Karl Fischer)	Not more than 0.5 % w/w	0.07	Karl Fischer titration
7	Melting Range / Point	As per monograph	Complies	Capillary method
8	Particle Size (d90)	As per specification	158 µm	Laser diffraction
9	Heavy Metals (as Pb)	Not more than 10 ppm	Less than 5 ppm	ICP-OES

3. DECLARATION

This document sets out the standard specification for Manganese(II) sulfate monohydrate and applies to all consignments of this product and grade supplied by Scapex Exports Pvt. Ltd. It is not a lot-specific release document; a lot-specific certificate carrying the analysis of the material actually shipped is issued with, and travels with, each consignment. Scapex Exports supplies against customer-specified assay limits and pharmacopoeial standards — send your specification sheet and we confirm compliance in writing before the order is accepted.

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