



Specification

Manganese Chloride Tetrahydrate USP

Catalog Number: MC1005
CAS Number: 13446-34-9
Synonym(s): Manganous Chloride
Molecular Formula: $\text{MnCl}_2 \cdot 4\text{H}_2\text{O}$
Molecular Weight: 197.91
Storage: 15°C – 30°C, Hygroscopic, Protect from moisture.
Retest Period: Three years from date of manufacture.

Test	Specification
Appearance	Light pink crystals
Assay ¹	98.0 – 101.0%
Identification ¹	To meet requirements
Solubility (10%)	Clear, light pink
pH (5%) ¹	3.5 – 6.0
Moisture (LOD) ¹	36.0 – 38.5%
Insoluble Matter ¹	≤ 0.005%
Sulfate ¹	≤ 0.005%
Substances Not Precipitated by Ammonium Sulfide ¹	≤ 0.2%
Heavy Metals ¹	≤ 5ppm
Iron ¹	≤ 5ppm
Zinc ¹	To meet requirements
Organic Volatile Impurities ¹	To meet requirements
This product meets the USP29 standard.	

Approved:

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