

F-QC-001 Rev.00

Certificate Of Analysis

Product Name : Manganese (II) Chloride Tetrahydrate 98 % AR

Catalog Number : O-5117

Batch Number : 5117-00000000

CAS Number : 13446-34-9

Molecular Weight : 197.70 g/mol

Mol. Formula : $MnCl_2 \cdot 4H_2O$

Expire Date : 60 Months



No	Test	Specifications	Results
1	Appearance	Pale pink to pink crystalline powder	Pale pink crystalline powder
2	Assay (complexometric)	98.0 – 101.0 %	98.88%
3	Insoluble matter	max 0.003 %	0.0016%
4	Sulphate (SO ₄)	max 0.0025 %	0.0017%
5	Barium (Ba)	max 0.01 %	< 0.01 %
6	Calcium (Ca)	max 0.04 %	< 0.04 %
7	Copper (Cu)	max 0.0002 %	0.00008%
8	Iron (Fe)	max 0.001 %	0.00002%
9	Lead (Pb)	max 0.0002 %	< 0.0002 %
10	Magnesium (Mg)	max 0.04 %	0.00086%
11	Nickel (Ni)	max 0.002 %	0.000026%
12	Potassium (K)	max 0.01 %	0.000055%
13	Sodium (Na)	max 0.02 %	0.0001%
14	Zinc (Zn)	max 0.02 %	0.0002%
15	Substance reducing iodine (I)	max 0.0065 %	<0.0065 %

Corresponds to AR/ACS Grade

LABOTIQ Standard of Product Reference to Analar standard and ACS specification

SUDIRO S.Si.
Manager QC