

F-QC-001 Rev.00

Certificate Of Analysis

Product Name : Manganese (II) Sulphate Monohydrate 99 % AR

Catalog Number : O-5118

Batch Number : 5118-00000000

CAS Number : 10034-96-5

Molecular Weight : 169.02 g/mol

Mol. Formula : $\text{MnSO}_4 \cdot \text{H}_2\text{O}$

Expire Date : 60 months

SAMPLE

No	Test	Specifications	Results
1	Appearance	white to slightly pink colored crystalline powder	slightly pink colored crystalline powder
2	Assay (complexometric)	min 99.0 %	99.875%
3	pH (5% solution)	3.5 - 5.0	4.22
4	Insoluble matter	max 0.01 %	0.0024%
5	Chloride (Cl)	max 0.005 %	0.0027%
6	Calcium (Ca)	max 0.005 %	0.0013%
7	Copper (Cu)	max 0.001 %	0.00097%
8	Iron (Fe)	max 0.002 %	0.0066%
9	Heavy metal (as Pb)	max 0.002 %	0.0091%
10	Magnesium (Mg)	max 0.005 %	0.0047%
11	Nickel (Ni)	max 0.02 %	0.0061%
12	Potassium (K)	max 0.01 %	0.0024%
13	Sodium (Na)	max 0.05 %	0.033%
14	Zinc (Zn)	max 0.005 %	0.0020%
15	Substance reducing KMnO_4 (as O)	passes test	passes test
16	Loss on ignition (500 °C)	10.0 - 12.0 %	11.33%

Corresponds to AR/ACS Grade

LABOTIQ Standard of Product Reference to Analar standard and ACS specificationSUDIRO S.Si.
Manager QC