

F-QC-001 Rev.00

Certificate Of Analysis

Product Name : Magnesium Sulphate Heptahydrate 99.5 % AR

Catalog Number : O-5115

Batch Number : 5115-00000000

CAS Number : 10034-99-8

Molecular Weight : 246.58 g/mol

Mol. Formula : $\text{MgSO}_4 \cdot 7 \text{H}_2\text{O}$

Expire Date : 60 months

SAMPLE

No	Test	Specifications	Results
1	Appearance	Colorless crystals or a white crystalline powder	Colorless crystals
2	Assay (complexometric)	99.5 - 102.0 %	100.26%
3	Insoluble matter in water	max 0.005 %	0.0034%
4	pH (5% Solution) at 25 °C	5.0 – 7.0	5.88
5	Nitrate (NO_3)	max 0.002 %	0.0005%
6	Ammonium (NH_4)	max 0.002 %	0.00035%
7	Chloride (Cl)	max 0.0005 %	<0.0005%
8	Calcium (Ca)	max 0.02 %	0.0076%
9	Heavy metals (as Pb)	max 0.0005 %	0.00019%
10	Iron (Fe)	max 0.0005 %	0.000080%
11	Manganese (Mn)	max 0.0005 %	0.000084%
12	Potassium (K)	max 0.005 %	0.00036%
13	Sodium (Na)	max 0.005 %	0.00013%
14	Strontium (Sr)	max 0.005 %	0.000077%

Corresponds to AR/ACS Grade

LABOTIQ Standard of Product Reference to Analar standard and ACS specification

SUDIYO S.Si.
Manager QC