

F-QC-001 Rev.00

Certificate Of Analysis

Product Name : Magnesium Chloride Hexahydrate 98 % AR

Catalog Number : O-5110

Batch Number : 5110-00000000

CAS Number : 7791-18-6

Molecular Weight : 203.30 g/mol

Mol. Formula : $\text{MgCl}_2 \cdot 6 \text{H}_2\text{O}$

Expire Date : 60 months

SAMPLE

No	Test	Specifications	Results
1	Appearance	Colorless deliquescent crystals or white crystalline powder	white crystalline powder
2	Assay (complexometric)	98.0 - 101.0 %	100.38%
3	Alcohol Insoluble matter	Passes test	Passes
4	Insoluble matter in water	max 0.005 %	0.0023%
5	Nitrogen compounds (as N)	max 0.002 %	0.0008%
6	Phosphate (PO_4)	max 0.0005 %	0.00020%
7	Sulphate (SO_4)	max 0.002 %	<0.002%
8	Arsenic (As)	max 0.0002 %	0.000077%
9	Barium (Ba)	max 0.005 %	0.00057%
10	Calcium (Ca)	max 0.01 %	0.0009%
11	Iron (Fe)	max 0.0005 %	0.00022%
12	Heavy metals (as Pb)	max 0.0005 %	0.00003%
13	Manganese (Mn)	max 0.0005 %	0.00028%
14	Potassium (K)	max 0.005 %	0.0012%
15	Sodium (Na)	max 0.005 %	0.0016%
16	Strontium (Sr)	max 0.005 %	0.0015%
17	Bromide (Br)	max 0.05 %	0.0033%
18	pH (5% solution)	5.0 - 6.5	6.02

Corresponds to AR/ACS Grade

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