

F-QC-001 Rev.00

Certificate Of Analysis

Product Name : Magnesium Nitrate Hexahydrate 98 % AR

Catalog Number : O-5111

Batch Number : 5111-00000000

CAS Number : 13446-18-9

Molecular Weight : 256.41 g/mol

Mol. Formula : $Mg(NO_3)_2 \cdot 6H_2O$

Expire Date : 60 Months



No	Test	Specifications	Results
1	Appearance	Colourless crystals or white crystalline powder	Colourless crystals
2	Assay (as $Mg(NO_3)_2 \cdot 6H_2O$)	98.0 - 102.0%	101.42%
3	pH (5% solution in water; 25°C)	5.0 - 8.2	6.52
4	Insoluble matter	max 0.005%	0.0021%
5	Chloride (Cl)	max 0.001%	0.0004%
6	Phosphate (PO_4)	max 0.0005%	0.00015%
7	Sulphate (SO_4)	max 0.005%	0.0012%
8	Ammonium (NH_4)	max 0.003%	0.0005%
9	Barium (Ba)	max 0.005%	0.0008%
10	Calcium (Ca)	max 0.01%	0.006%
11	Manganese (Mn)	max 0.0005%	0.00020%
12	Potassium (K)	max 0.005%	0.001%
13	Sodium (Na)	max 0.005%	0.0018%
14	Strontium (Sr)	max 0.005%	0.002%
14	Heavy metals (by ICP-OES)	max 0.0005%	0.00013%
15	Iron (Fe)	max 0.0005%	0.00011%

Corresponds to AR/ACS Grade

LABOTIQ Standard of Product Reference to Analar standard and ACS specification



SUDIRO S.Si.
Manager QC