

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-06-01 17:18:12

Date of Next Testing: 2029-05-31 17:18:12

Product Name: **Magnesium chloride hexahydrate**

CAS Number: 7791-18-6

Specifications & Purity: Ph.Eur., Suitable for Analysis, Premium pure

Lot #: GME2629001

SKU #: **M774658**

Version: **3**

Analysis #: **715823**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Assay(Complexometric EDTA)	99.0-101 (%)	100.67000 %
Insoluble matter	0-0.005 (%)	0.00100 %
pH-value (5 %; water)	5-7	5.52500
Phosphate(PO ₄)	0-5 (ppm)	0.00000 ppm
Sulfate(SO ₄)	0-0.005 (%)	0.00000 %
Aluminium(Al)	0-0.0001 (%)	0.00000 %
As (Arsenic)	0-0.0002 (%)	0.00000 %
Calcium(Ca)	0-0.1 (%)	0.00001 %
Fe(Iron)	0-10 (ppm)	0.00000 ppm
Potassium(K)	0-0.05 (%)	0.02660 %
Ammonium(NH ₄)	0-0.005 (%)	0.00000 %
Water by Karl Fischer	51.0-55 (%)	53.31080 %
Barium(Ba)	0-0.005 (%)	0.00000 %
Manganese(Mn)	0-0.005 (%)	0.00000 %
Sodium(Na)	0-0.5 (%)	0.04090 %
Strontium(Sr)	0-0.005 (%)	0.00000 %
Heavy metals (as Pb)	0-5 (ppm)	0.00000 ppm
Lead(Pb)	0-0.0004 (%)	0.00000 %
Hg (Mercury)	≤ 0.0001 (%)	0.00000 %
Total Aerobic Microbial Count	0-100 (cfu/g)	0.00000 cfu/g
Total yeast and mould count	0-100 (cfu/g)	0.00000 cfu/g
Endotoxins	0-3 (IU/g OR u/g)	0.00000 IU/g OR u/g
Bromide(Br)	0-0.05 (%)	0.00000 %
Appearance(M774658)	colourless crystals,hygroscopic	colourless crystals,hygroscopic

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Parameter	Limit Values	Result
Solubility:very soluble in water, freely soluble in ethanol(96 perpass cent)		Pass
Identity(Chloride)	Passes test	Passes test
Identity(magnesium)	passes test	Passes test
Appearance of solution	Passes test	Passes test
Acidity or alkalinity	passes test	Passes test
Residual solvents (ICH (Q3C))excluded by manufacturing process	pass	Pass

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager