

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name: **Magnesium chloride hexahydrate**
 Specifications & Purity: Ph.Eur., Suitable for Analysis, Premium pure
 SKU # **M774658**

Parameter	Limit Values
Appearance(M774658)	colourless crystals, hygroscopic
Solubility: very soluble in water, freely soluble in ethanol (96 per cent)	pass
Assay (Complexometric EDTA)	99.0-101 (%)
Identity (Chloride)	Passes test
Identity (magnesium)	passes test
Appearance of solution	Passes test
Insoluble matter	0-0.005 (%)
Acidity or alkalinity	passes test
pH-value (5 %; water)	5-7
Phosphate (PO ₄)	0-5 (ppm)
Sulfate (SO ₄)	0-0.005 (%)
Aluminium (Al)	0-0.0001 (%)
As (Arsenic)	0-0.0002 (%)
Calcium (Ca)	0-0.01 (%)
Fe (Iron)	0-5 (ppm)
Potassium (K)	0-0.005 (%)
Ammonium (NH ₄)	0-0.002 (%)
Water by Karl Fischer	51.0-55 (%)
Barium (Ba)	0-0.005 (%)
Manganese (Mn)	0-0.005 (%)
Sodium (Na)	0-0.005 (%)
Strontium (Sr)	0-0.005 (%)
Heavy metals (as Pb)	0-5 (ppm)
Lead (Pb)	0-0.0004 (%)
Hg (Mercury)	≤ 0.0001 (%)
Total Aerobic Microbial Count	0-100 (cfu/g)
Total yeast and mould count	0-100 (cfu/g)
Endotoxins	0-3 (IU/g OR u/g)
Residual solvents (ICH (Q3C)) excluded by manufacturing process	pass
Bromide (Br)	0-0.05 (%)