



PRODUCT SPECIFICATION SHEET

Magnesium Chloride Hexahydrate ACS/USP

Test	Specification	Typical Result
Assay (MgCl ₂ •6H ₂ O)	99.0 - 102.0%	100.3 %
Insoluble matter	Max. 0.005%	0.004 %
Nitrate (NO ₃)	Max. 0.001%	<0.001%
Phosphate (PO ₄)	Max. 5 ppm	<5 ppm
Sulfate (SO ₄)	Max. 0.002%	<0.002 %
Ammonium (NH ₄)	Max. 0.002%	<0.002 %
Barium (Ba)	Max. 0.005%	<0.005 %
Calcium (Ca)	Max. 0.01%	0.003 %
Manganese (Mn)	Max. 5 ppm	1 ppm
Potassium (K)	Max. 0.005%	0.001 %
Sodium (Na)	Max. 0.005%	0.001 %
Strontium (Sr)	Max. 0.005%	0.001 %
Heavy metals (by ICP-OES)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 5 ppm	<5 ppm
Identification	Passes test	Passes test
Assay (MgCl ₂ •6H ₂ O)	98.0 – 101.0%	100.3 %
Sulfate (SO ₄)	Max. 0.005%	<0.005 %
Barium (Ba)	Passes test	Passes test
Potassium (K)	Passes test	Passes test
Heavy metals	Max. 10ppm	<10 ppm
pH of a 5% a 25°C	4.5-7.0	5.6
Cadmium (Cd)	Reference	<1 ppm
Mercuric (Hg)	Reference	<1 ppm
Lead (Pb)	Reference	<1 ppm
Arsenic (As)	Reference	<1 ppm

Appropriate/legal use of this product is the responsibility of the user