



Aqua Solutions, Inc.

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SPECIFICATION SHEET

MAGNESIUM CHLORIDE / LABORATORY GRADE CRYSTAL

Product Code	M0249
Chemical Name / Grade	Magnesium Chloride / Laboratory Grade Crystal
Chemical Formula / CAS#	MgCl ₂ •6H ₂ O / CAS# 7791-18-6
Appearance	White powder
Harmonization Code	2827.31.0000

CHEMICAL ANALYSIS / SPECIFICATIONS

Assay	99.0 – 101.0%
Specifications	Maximum
Calcium (Ca)	0.01%
Insoluble matter	0.005%
Iron (Fe)	5 ppm
Nitrate (NO ₃)	0.001%
Phosphate (PO ₄)	5 ppm
Sulfate (SO ₄)	0.002%
Ammonium (NH ₄)	0.002%
Barium (Ba)	Passes test
Manganese (Mn)	5 ppm
Potassium (K)	Passes test
Sodium (Na)	0.005%
Strontium (Sr)	0.005%
Heavy Metals (as Pb)	5 ppm
Arsenic (As)	2 ppm
Bromide (Br)	0.05%
Lead (Pb)	4 mg/KG
pH (1 in 20 mi solution) @ 25°C	4.5 -7.0

This product is suitable for use in applications where the grade indicated above is required.

PREPARATION DATE (MM/DD/YY)

Original 0.0	09/09/2014: STN
Revision	

PLEASE REFER TO THE MATERIAL SAFETY DATA SHEET FOR HEALTH, SAFETY, AND REGULATORY INFORMATION ON THIS PRODUCT.