

Magnesium Chloride, 6-Hydrate, Crystal
AR® (ACS)



Material No.: 5958-04

Batch No.: 22B1161050

Manufactured Date: 2021-07-20

Retest Date: 2028-07-18

Revision No.: 0

Certificate of Analysis

Meets ACS Reagent Chemical Requirements

Test	Specification	Result
ACS - Assay ($\text{MgCl}_2 \cdot 6\text{H}_2\text{O}$)	99.0 - 102.0 %	99.2 %
ACS - Ammonium (NH_4)	≤ 0.001 %	< 0.001 %
ACS - Barium (Ba)	≤ 0.005 %	0.004 %
ACS - Calcium (Ca)	≤ 0.01 %	0.01 %
ACS - Heavy Metals (as Pb)	≤ 5 ppm	2 ppm
ACS - Insoluble Matter	≤ 0.005 %	0.002 %
ACS - Iron (Fe)	≤ 5 ppm	1 ppm
ACS - Manganese (Mn)	≤ 5.000 ppm	1.000 ppm
ACS - Nitrate (NO_3)	≤ 0.001 %	< 0.001 %
ACS - pH of 5% Solution	4.5 - 7.0	5.5
ACS - Phosphate (PO_4)	≤ 5 ppm	2 ppm
ACS - Potassium (K)	≤ 0.005 %	< 0.001 %
ACS - Sodium (Na)	≤ 0.005 %	0.001 %
ACS - Strontium (Sr)	≤ 0.005 %	< 0.001 %
ACS - Sulfate (SO_4)	≤ 0.002 %	0.002 %

For Laboratory, Research, or Manufacturing Use

The net weight of the product in each container is within +/- 2% of the net weight stated on the label.

Country of Origin: Mexico

Packaging Site: Paris Mfg Ctr & DC


Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

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