

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



Material No.: 5958-04
Batch No.: 0000047035
Manufactured Date: 2013/02/18
Retest Date: 2018/02/17

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 %	100.3
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
ACS - Insoluble Matter	≤ 0.005 %	0.003
ACS - Iron (Fe)	≤ 5 ppm	1
ACS - Manganese (Mn)	≤ 5.000 ppm	2.000
ACS - Nitrate (NO_3)	≤ 0.001 %	< 0.001
ACS - pH of 5% Solution	4.5 - 7.0	5.4
ACS - Phosphate (PO_4)	≤ 5 ppm	3
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 %	0.001

For Laboratory, Research or Manufacturing Use

The net weight of the product in each container is within $\pm 2\%$ of the netweight stated on the label.

Country of Origin: MX

Packaging Site: Paris Mfg Ctr & DC



Phillipsburg, NJ 9001:2008, 14001:2004
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Deventer, The Netherlands 9001:2008, 14001:2004, 13485:2003
Gliwice, Poland 9001:2008, 17025:2005
Selangor, Malaysia 9001:2008
Dehradun, India, 9001:2008, 14001:2004, 13485:2003
Mumbai, India, 9001:2008, 17025:2005
Panoli, India 9001:2008

Richard M Siberski
Global Director of Quality Assurance

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600
Avantor™ Performance Materials Inc.

3477 Corporate Parkway, Suite #200, Center Valley, PA 18034, U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610