

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



Material No.: 5958-04
Batch No.: 0000170042
Manufactured Date: 2017/01/06
Retest Date: 2024/01/05

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 %	99.6
ACS – Ammonium (NH_4)	≤ 0.001 %	0.001
ACS – Barium (Ba)	≤ 0.005 %	0.003
ACS – Calcium (Ca)	≤ 0.01 %	0.01
ACS – Heavy Metals (as Pb)	≤ 5 ppm	3
ACS – Insoluble Matter	≤ 0.005 %	0.003
ACS – Iron (Fe)	≤ 5 ppm	3
ACS – Manganese (Mn)	≤ 5.000 ppm	1.300
ACS – Nitrate (NO_3)	≤ 0.001 %	0.001
ACS – pH of 5% Solution	4.5 – 7.0	5.8
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 %	0.002

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, FSSC 22000
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Deventer, The Netherlands 9001:2008, 14001:2004, 13485:2003
Gliwice, Poland 9001:2008, 13485:2012
Selangor, Malaysia 9001:2008
Dehradun, India, 9001:2008, 14001:2004, 13485:2003
Mumbai, India, 9001:2008
Panoli, India 9001:2008


Jamie Ethier
Vice President Global Quality

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

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