

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



Material No.: 5958-04
Batch No.: 0000021818
Manufactured Date: 2012/05/22
Retest Date: 2017/05/21

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 %	99.0
ACS - Ammonium (NH_4)	≤ 0.001 %	< 0.001
ACS - Barium (Ba)	≤ 0.005 %	0.005
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	1
ACS - Manganese (Mn)	≤ 5.000 ppm	0.500
ACS - Nitrate (NO_3)	≤ 0.001 %	< 0.001
ACS - pH of 5% Solution	4.5 - 7.0	6.4
ACS - Phosphate (PO_4)	≤ 5 ppm	1
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

ISO

Phillipsburg, NJ 9001.2008, 14001.2004
Paris, KY 9001.2008
Mexico city, Mexico 9001.2008
Deventer, The Netherlands 9001.2008, 14001.2004
Selangor, Malaysia 9001.2008
Panoli, India 9001.2008
Gliwice, Poland 9001.2008, 17025.2005

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
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