

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



Material No.: 5958-04  
Batch No.: 0000085121  
Manufactured Date: 2014/02/25  
Retest Date: 2021/02/23

## 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 %	100.1
ACS – Ammonium ( $\text{NH}_4$ )	$\leq 0.001$ %	$< 0.001$
ACS – Barium (Ba)	$\leq 0.005$ %	$< 0.005$
ACS – Calcium (Ca)	$\leq 0.01$ %	0.01
ACS – Heavy Metals (as Pb)	$\leq 5$ ppm	3
ACS – Insoluble Matter	$\leq 0.005$ %	0.002
ACS – Iron (Fe)	$\leq 5$ ppm	$< 3$
ACS – Manganese (Mn)	$\leq 5.000$ ppm	2.000
ACS – Nitrate ( $\text{NO}_3$ )	$\leq 0.001$ %	$< 0.001$
ACS – pH of 5% Solution	4.5 – 7.0	5.4
ACS – Phosphate ( $\text{PO}_4$ )	$\leq 5$ ppm	$< 3$
ACS – Potassium (K)	$\leq 0.005$ %	0.001
ACS – Sodium (Na)	$\leq 0.005$ %	$< 0.001$
ACS – Strontium (Sr)	$\leq 0.005$ %	$< 0.001$
ACS – Sulfate ( $\text{SO}_4$ )	$\leq 0.002$ %	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

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Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600  
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