

Ammonium Chloride, Crystal
AR® (ACS)



Material No.: 3384-12
Batch No.: 0000046789
Manufactured Date: 2012/11/23
Retest Date: 2017/11/22

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

Test	Specification	Result
ACS - Assay (NH ₄ Cl) (by Ag titrn)	>= 99.5 %	99.7
ACS - Calcium (Ca)	<= 0.001 %	0.001
ACS - Insoluble Matter	<= 0.005 %	< 0.001
ACS - Iron (Fe)	<= 2 ppm	< 1
ACS - Magnesium (Mg)	<= 5 ppm	1
ACS - pH of 5% Solution at 25°C	4.5 - 5.5	4.8
ACS - Phosphate (PO ₄)	<= 2 ppm	< 2
ACS - Residue after Ignition	<= 0.01 %	0.01
ACS - Sulfate (SO ₄)	<= 0.002 %	< 0.002
ACS - Appearance (white crystals)	Passes Test	PT
Heavy Metals (as Pb)	<= 2 ppm	< 2
Nitrate (NO ₃)	<= 5 ppm	< 5

For Laboratory, Research or Manufacturing Use

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