Ammonium Chloride, Crystal AR® (ACS)





Material No.: 3384-12 Batch No.: 0000032297 Manufactured Date: 2012/12/18 Retest Date: 2017/12/17

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

Test	Specification	Result
ACS – Assay (NH₄CI) (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	2
ACS – Magnesium (Mg)	<= 5 ppm	<1
ACS – pH of 5% Solution at 25°C	4.5 – 5.5	4.8
ACS – Phosphate (PO4)	<= 2 ppm	< 2
ACS – Residue after Ignition	<= 0.01 %	< 0.01
ACS – Sulfate (SO4)	<= 0.002 %	< 0.002
ACS – Appearance (white crystals)	Passes Test	РТ
Heavy Metals (as Pb)	<= 2 ppm	< 2
Nitrate (NO3)	<= 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, 14001:2004, 13485:2003 Mumbai, India, 9001:2008, 17025:2005 Panoli, India 9001:2008

Nej M Sal

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