

Ammonium Chloride, Crystal
AR® (ACS)



Material No.: 3384-12
Batch No.: 0000206399
Manufactured Date: 2017/01/21
Retest Date: 2024/01/20
Revision No: 1

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

Test	Specification	Result
ACS – Assay (NH ₄ Cl) (by Ag titrn)	>= 99.5 %	99.8
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	4.9
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 9001:2015, FSSC 22000
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Gliwice, Poland 9001:2008
Selangor, Malaysia 9001:2008
Dehradun, India 9001:2015, 14001:2015, 13485:2016
Mumbai, India 9001:2015
Panoli, India 9001:2015

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