

Ammonium Chloride, Crystal  
AR® (ACS)



Material No.: 3384-12  
Batch No.: 0000206397  
Manufactured Date: 2017/04/11  
Retest Date: 2024/04/09  
Revision No: 1

## Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

Test	Specification	Result
ACS – Assay (NH <sub>4</sub> Cl) (by Ag titrn)	>= 99.5 %	99.6
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	< 5
ACS – pH of 5% Solution at 25°C	4.5 – 5.5	4.9
ACS – Phosphate (PO <sub>4</sub> )	<= 2 ppm	< 2
ACS – Residue after Ignition	<= 0.01 %	< 0.01
ACS – Sulfate (SO <sub>4</sub> )	<= 0.002 %	< 0.002
ACS – Appearance (white crystals)	Passes Test	PT
Heavy Metals (as Pb)	<= 2 ppm	< 2
Nitrate (NO <sub>3</sub> )	<= 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  
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