

Ammonium Chloride, Crystal  
AR® (ACS)



Material No.: 3384-12  
Batch No.: 0000232903  
Manufactured Date: 2018/11/29  
Retest Date: 2025/11/27  
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 %	99.7
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	5.0
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

  
Jamie Ethier  
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700  
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