

Ammonium Chloride, Crystal  
AR® (ACS)



Material No.: 3384-12  
Batch No.: 0000255403  
Manufactured Date: 2019/10/30  
Retest Date: 2026/10/28  
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 %	100.0
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 (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  
Avantor Performance Materials, LLC  
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700