

Ammonium Chloride, Crystal
AR® (ACS)



Material No.: 3384-12

Batch No.: 2111561014

Manufactured Date: 2021-07-30

Retest Date: 2028-07-28

Revision No.: 0

Certificate of Analysis

Meets ACS Reagent Chemical Requirements

Test	Specification	Result
ACS - Assay (NH ₄ Cl) (by Ag titrn)	≥ 99.5 %	99.9 %
ACS - Calcium (Ca)	≤ 0.001 %	0.001 %
ACS - Insoluble Matter	≤ 0.005 %	< 0.001 %
ACS - Iron (Fe)	≤ 2 ppm	< 2 ppm
ACS - Magnesium (Mg)	≤ 5 ppm	1 ppm
ACS - pH of 5% Solution at 25°C	4.5 - 5.5	4.8
ACS - Phosphate (PO ₄)	≤ 2 ppm	< 2 ppm
ACS - Residue after Ignition	≤ 0.01 %	0.01 %
ACS - Sulfate (SO ₄)	≤ 0.002 %	< 0.002 %
ACS - Appearance (white crystals)	Passes Test	Passes Test
Heavy Metals (as Pb)	≤ 2 ppm	< 2 ppm
Nitrate (NO ₃)	≤ 5 ppm	< 5 ppm

For Laboratory, Research, or Manufacturing Use
Country of Origin: USA
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