Ammonium Chloride, Crystal AR® (ACS)



Material No.: 3384-12 Batch No.: 0000222934 Manufactured Date: 2018/11/29 Retest Date: 2025/11/27 Revision No: 1

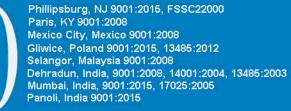
Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

| Test | Specification | Result |
|-----------------------------------|---------------|---------|
| ACS – Assay (NH₄Cl) (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 (PO4) | <= 2 ppm | < 2 |
| ACS – Residue after Ignition | <= 0.01 % | < 0.01 |
| ACS – Sulfate (SO4) | <= 0.002 % | < 0.002 |
| ACS – Appearance (white crystals) | Passes Test | РТ |
| leavy Metals (as Pb) | <= 2 ppm | < 2 |
| Nitrate (NO3) | <= 5 ppm | < 5 |

For Laboratory, Research or Manufacturing Use

| Country of Origin: | MX |
|--------------------|--------------------|
| Packaging Site: | Paris Mfg Ctr & DC |



James Techie

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