

Material No.: 3384-12
Batch No.: 23D0761046
Manufactured Date: 2022-10-14
Retest Date: 2029-10-12
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 | 2 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: Mexico
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

Page 1 of 1