

Ammonium Chloride, Crystal
AR® (ACS)



Material No.: 3384-12
Batch No.: 0000156495
Manufactured Date: 2016/08/25
Retest Date: 2023/08/24

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

| Test | Specification | Result |
|--|---------------|---------|
| ACS – Assay (NH ₄ Cl) (by Ag titrn) | >= 99.5 % | 99.8 |
| 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 | < 5 |
| ACS – pH of 5% Solution at 25°C | 4.5 – 5.5 | 4.9 |
| ACS – Phosphate (PO ₄) | <= 2 ppm | < 2 |
| ACS – Residue after Ignition | <= 0.01 % | < 0.01 |
| ACS – Sulfate (SO ₄) | <= 0.002 % | < 0.002 |
| ACS – Appearance (white crystals) | Passes Test | PT |
| Heavy Metals (as Pb) | <= 2 ppm | < 2 |
| Nitrate (NO ₃) | <= 5 ppm | < 5 |

For Laboratory, Research or Manufacturing Use

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



Phillipsburg, NJ 9001:2008, 14001:2004, FSSC 22000
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Deventer, The Netherlands 9001:2008, 14001:2004, 13485:2003
Gliwice, Poland 9001:2008, 13485:2012
Selangor, Malaysia 9001:2008
Dehradun, India, 9001:2008, 14001:2004, 13485:2003
Mumbai, India, 9001:2008
Panoli, India 9001:2008


Jamie Ethier
Vice President Global Quality

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