

Ammonium Chloride, Crystal  
AR® (ACS)



Material No.: 3384-12  
Batch No.: 0000207665  
Manufactured Date: 2018/02/16  
Retest Date: 2025/02/14  
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 %     | 99.9    |
| 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 <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



Phillipsburg, NJ 9001:2015, FSC22000  
Paris, KY 9001:2008  
Mexico City, Mexico 9001:2008  
Gliwice, Poland 9001:2015, 13485:2012  
Selangor, Malaysia 9001:2008  
Dehradun, India, 9001:2008, 14001:2004, 13485:2003  
Mumbai, India, 9001:2015, 17025:2005  
Panoli, India 9001:2015

Jamie Ethier  
Vice President Global Quality

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