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Certificate of Analysis

Product Description: Ammonium Chloride, ACS
Catalog Number: 191406
Lot: Q3731

Formula: NH₄Cl
CAS #: 12125-02-9
Physical Description: White Crystals

Formula Weight: 53.49
Storage: Room Temperature

| Test | Specification | Result |
|------------------------|---------------|--------------|
| Assay | ≥99.5% | 99.8% |
| pH (5% aq soln) | 4.5 - 5.5 | 5.08 |
| Insoluble Matter | ≤0.005% | 0.001% |
| Residue after Ignition | ≤0.01% | 0.003% |
| Calcium | ≤0.001% | <0.001% |
| Magnesium | ≤5 ppm | <5 ppm |
| Heavy Metals | ≤5 ppm | 4 ppm |
| Iron | ≤2 ppm | 2 ppm |
| Phosphate | ≤2 ppm | <2 ppm |
| Sulfate | ≤0.002% | Not Detected |

Recommended Retest Date: 11/30/2019



03/01/2016 - John Huang, PhD
MP Biomedicals, LLC.
Quality Control Manager

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