

CERTIFICATE OF ANALYSIS

Product Description AMMONIUM NITRATE,
CRYSTALLINE, ACS REAGENT
Product Number A300
Lot Number SYS0300164
Storage Temperature Room Temperature
Molecular Weight 80.04 g/mol
Formula NH_4NO_3
CAS Number 6484-52-2

Physiochemical Specifications:

| TEST | SPECIFICATION | RESULTS |
|--|--|--------------------------------------|
| Solubility | Soluble in Water @ 1.60 g/L | Passes |
| pH | 4.7 – 5.8 | 5.5 |
| Physical Appearance Color* Texture | PM-1 to PM-4 Crystalline Powder to Crystals | PM-1 Off-White Crystalline Powder |
| Solution Appearance Clarity Color | Clear Colorless | Clear Colorless |
| Average Time to Dissolve | For Information Only (Approx. 5 min) | 5 min |
| Insolubles | None | Passes |
| Purity | Minimum 95.0% | 99.60% |

* Product color based upon comparisons between sample and standardized color wheel (Benjamin Moore® Color Preview™).

Biological Testing:

Test Concentration: 1.60 g/L

| TEST SPECIFICATION | PLANT CELL LINE | RESULTS |
|--|-----------------|---------|
| Supports and/or facilitates plant growth and/or shoot proliferation in two or more plant tissue cultured lines with no morphological aberrations to plants | Begonia | Passes |
| | African Violet | Passes |

The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

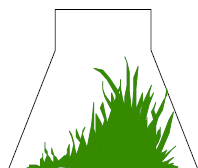
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Date of Release: 7-December-2018

Recommended Shelf Life Date: December 2026



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