

CERTIFICATE OF ANALYSIS

Product Description AMMONIUM NITRATE,
CRYSTALLINE, ACS REAGENT
Product Number A300
Lot Number SYS0300163
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-2 Off-White Crystals
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	For Information Only (Approx. 5 min)	2 min
Insolubles	None	Passes
Purity	Minimum 95.0%	99.90%

* 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
	Sugar Cane	Passes

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

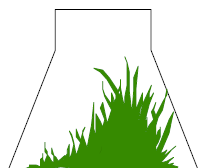
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Date of Release: 8-January-2018

Recommended Shelf Life Date: January 2026



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