

CERTIFICATE OF ANALYSIS

Product Description AMMONIUM NITRATE,
CRYSTALLINE, ACS REAGENT
Product Number A300
Lot Number SUS0300161
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	5.4
Physical Appearance Color* Texture	PM-1 to PM-4 Crystalline Powder to Crystals	PM-4 White Crystalline Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	For Information Only (Approx. 5 min)	3 min
Insolubles	None	Passes
Purity	Minimum 95.0%	100.70%

* 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	Kalanchoe	Passes
	Echinacea	Passes

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

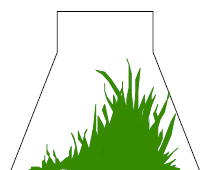
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Date of Release: 3-Oct-17

Recommended Shelf Life Date: October 2025



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