

CERTIFICATE OF ANALYSIS

Product Description AMMONIUM NITRATE,
CRYSTALLINE
Product Number A300
Lot Number HYG0300215
Storage Temperature Room Temperature
Molecular Weight 80.04
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 White Crystalline Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity	Minimum 95.0%	99.20%

* 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	Parrot Feather	Passes
	Xanthi Tobacco Callus	Passes

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

PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. This product is intended for LABORATORY USE ONLY. Our products may NOT BE USED as drugs, cosmetics, agricultural or pesticidal products, food additives or as household chemicals.

Date of Release: 13-February-2026

Recommended Shelf-Life Date: February 2034

Prepared by: 
Alex Lambert
Lead Quality Control Laboratory Technician