

# CERTIFICATE OF ANALYSIS

Product Description      AMMONIUM SULFATE  
ACS REAGENT  
Product Number          A305  
Lot Number                10C0305009  
Storage Temperature      Room Temperature  
Molecular Weight        132.14  
Formula                    (NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub>  
CAS Number                7783-20-2

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water	Passes
pH (0.50 g/L)	4.89 – 5.89	5.49
Physical Appearance Color* Texture	RM-1 to RM-3, or RM-31 Crystalline Powder to Crystals	RM-1 Off-White Crystals
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	Within 5 min	Passes
Insolubles	None	Passes
Purity	Minimum 99.0%	100%

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

## Biological Testing:

Test Concentration: 500 mg/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	Tobacco callus	Passes
	Hosta	Passes

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

**PhytoTechnology Laboratories® provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTechnology Laboratories 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.**

Recommended Shelf Life Date: March 2018



Gary Seckinger, Ph.D.



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### **PhytoTechnology Laboratories®**

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