CERTIFICATE OF ANALYSIS

Product Description	AMMONIUM CITRATE, DIBASIC
Product Number	A114
Lot Number	09A0114003
Storage Temperature	Room Temperature
Molecular Weight	226.19
Formula	$(NH_4)_2HC_6H_5O_7$
CAS Number	3012-65-5

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 100 mg/mL	Passes
pH	Under Development	5.2
Physical Appearance Color* Texture	 PM-1 to PM-4 Crystalline Powder to Crystals	 PM-1 Off-White Crystals
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 98.0%	99.8%
Heavy Metals (as Pb)	For Information Only	< 0.0005%

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

Biological Testing:

Test Concentration: 100.0 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	Strawberry	Passes
	Syngonium	Passes

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

***Phyto*Technology Laboratories, LLC provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. *Phyto*Technology 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: April 2021

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