CERTIFICATE OF ANALYSIS

Product Description	FERRIC AMMONIUM CITRATE AMMONIUM IRON(III) CITRATE
Product Number	F374
Lot Number	12F0374004
Storage Temperature	Room Temperature
Formula	$C_6H_8O_7Fe_{(x)}NH_{3(x)}$
CAS Number	1185-57-5

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
pH	Under Development	6.48
Physical Appearance		
Color*	2111-10 to 2116-10, 2112-20 to 2115-20, 2130-10, or 2130-20 2158-10 to 2158-30	2158-10 Brown w/an Orange Tint
Texture	Crystalline Powder to Crystals	Crystalline Powder
Solution Appearance		
Clarity	Clear	Clear
Color	Colorless to Amber	Orange
Average Time to Dissolve	Within 3 min	Passes
Insolubles	None	Passes

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

Biological Testing:

Test Concentration: 25.0 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	Sugarcane	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.

***Phyto*Technology 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. *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: June 2020

Gary Seckinger, Ph.D.

***Phyto*Technology Laboratories®**
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Created on 23 July 2012 PN