

# CERTIFICATE OF ANALYSIS

Product Description FERRIC AMMONIUM CITRATE  
AMMONIUM IRON(III) CITRATE  
Product Number F374  
Lot Number 09K0374003  
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	5.91
Physical Appearance Color*	2111-10 to 2116-10, 2112-20 to 2115-20, 2130-10, or 2130-20	2130-20 Dark Brown
Texture	Crystals to Crystalline Powder	Crystals
Solution Appearance Clarity Color	Clear Colorless to Slight Yellow Tint, Amber	Clear Amber
Average Time to Dissolve	Within 1 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	Boston Fern	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.

**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: October 2017



Gary Seckinger, Ph.D.



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### **PhytoTechnology Laboratories®**

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