

# CERTIFICATE OF ANALYSIS

Product Description ETHYLENEDIAMINETETRAACETIC ACID, FERRIC-SODIUM SALT  
Product Number E676  
Lot Number 10G0676007  
Storage Temperature Room Temperature  
Molecular Weight 367.02  
Formula  $C_{10}H_{12}N_2O_8NaFe$   
CAS Number 15708-41-5

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
pH	Under Development	4.51
Physical Appearance Color* Texture	2150-30, 2151-30 or HC-13 Crystalline Powder	2151-30 Olive Crystalline Powder
Solution Appearance Clarity Color	Clear Colorless to Yellow	Clear Yellow
Average Time to Dissolve	Within 1 min	Passes
Insolubles	None	Passes
Purity (iodometric)	Minimum 98.0%	99.5%
Chelated Iron Content	For Information Only	12.6%

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

## Biological Testing:

Test Concentration: 37.5 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	African Violet	Passes
	Hosta	Passes

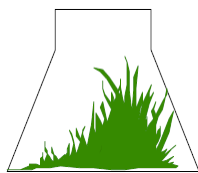
The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

**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: July 2018



Gary Seckinger, Ph.D.



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### **PhytoTechnology Laboratories®**

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