

CERTIFICATE OF ANALYSIS

Product Description ETHYLENEDIAMINETETRAACETIC ACID, FERRIC-SODIUM SALT
Product Number E676
Lot Number SXT0676012
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 | 4.9 |
| Physical Appearance Color* Texture | 2150-30, 2151-30 or HC-13 Coarse to Crystalline Powder | HC-13 Yellow Green Crystalline Powder |
| Solution Appearance Clarity Color | Clear Colorless to Slight Yellow Tint | Clear Slight Yellow Tint |
| Average Time to Dissolve | For Information Only (Approx 5 min) | 5 min |
| Insolubles | None | Passes |
| FTIR | Conforms to Structure | Passes |
| Iron Chelated % | For Information Only | 13.3% |

* 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 | Echinacea | Passes |
| | Achimenes | 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.

Date of Release: 10 November 2016

Recommended Shelf Life Date: December 2024



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