

CERTIFICATE OF ANALYSIS

Product Description ETHYLENEDIAMINE BIS(2-HYDROXYPHENYLACETIC ACID),
FERRIC-SODIUM SALT; FeNa-EDDHA
Product Number E349
Lot Number 15A0349005
Storage Temperature Room Temperature
Molecular Weight 434.8
Formula $C_{18}H_{16}O_6N_2NaFe$
CAS Number 16455-61-1

Physicochemical Specifications:

| TEST | SPECIFICATION | RESULTS |
|--|---|--------------------------------------|
| Solubility | Soluble in Water @ 10 mg/mL | Passes |
| pH | Under Development | 8.2 |
| Physical Appearance Color* Texture | 2127-10 to 2133-10, HC-64 Crystalline Powder | HC-64 Dark Red Crystalline Powder |
| Solution Appearance Clarity Color | Clear to Opaque Dark Red | Clear Dark Red |
| Average Time to Dissolve | Within 3 min | Passes |
| Insolubles | None | Passes |
| FTIR | Conforms to Structure | Passes |

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

Biological Testing:

Test Concentration: 50.0 mg/mL

| TEST SPECIFICATION | PLANT CELL LINE | RESULTS |
|---|-----------------|---------|
| Supports and/or facilitates plant growth and/or shoot proliferation in two or more plant tissue culture lines with no morphological aberrations to plants | Tobacco callus | Passes |
| | Achimenes | Passes |

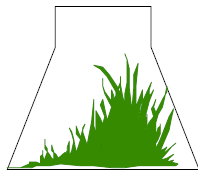
The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

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.

Recommended Shelf Life Date: January 2023



Gary Seckinger, Ph.D.



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