

CERTIFICATE OF ANALYSIS

Product Description IRON CHELATE; SEQUESTRENE® 138
SODIUM FERRIC ETHYLENEDIAMINE BIS(2-HYDROXYOHENYLACETATE)
Product Number I338
Lot Number 08K33807
Storage Temperature Room Temperature

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 1 mg/mL	Passes
pH	Under Development	8.34
Physical Appearance Color*	2114-10 to 2116-10, 2114-20 to 2116-20, 2128-10, 2130-10, or HC-64	21-28-10 Black
Texture	Fine to Coarse Crystalline Powder	Fine Powder
Solution Appearance Clarity Color*	Clear Dark Red to Brown	Clear Dark Red
Average Time to Dissolve	Within 5 min	Passes
Insolubles	None	Passes
Iron (Fe) Content	6%	Passes

* 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 cultures with no morphological aberrations to plants	Boston Fern	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, LLC 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.

Shelf Life Date: October 2013



Scott Stewart, Ph.D.



PhytoTechnology
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Dedicated to Growth

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Created on 25 November 2008