

# CERTIFICATE OF ANALYSIS

Product Description	ETHYLENEDIAMINETETRAACETIC ACID, FREE ACID; EDTA
Product Number	E316
Lot Number	03K31601
Storage Temperature	Room Temperature
Molecular Weight	292.24
Formula	C <sub>10</sub> H <sub>16</sub> N <sub>2</sub> O <sub>8</sub>
CAS Number	60-00-4

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in KOH	Soluble in KOH
pH <sup>1</sup> (0.0375 g/5 mL KOH)	Under Development	13.60
Physical Appearance		
Color*	RM-31 (Brilliant White) RM-1 to RM-3	RM-31 (Brilliant White)
Texture	Fine Powder	Fine Powder
Solution Appearance		
Clarity	Clear	Clear
Color	Colorless	Colorless
Average Time to Dissolve	Within 1 min	Within 1 min
Precipitation Formation	None	None
Assay	99.4 – 100.6%	99.5%

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

1 pH is dependant on the type and amount of solvent used.

## Biological Testing:

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
Supports and/or facilitates plant growth and/or shoot proliferation in two or more plant tissue cultures	Boston Fern	Passes—supported plant growth and/or shoot proliferation with no morphological aberrations to plants
	Hosta	Passes—supported plant growth and/or shoot proliferation with no morphological aberrations to plants

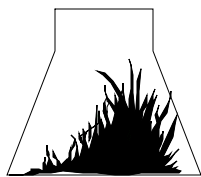
The material described in this certificate was manufactured in the United State of America and is of synthetic nature. No animal or plant components were used in the manufacture of this product.

**Phyto Technology 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. Phyto Technology 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 2008

*Emily Burdick*

Quality Assurance Manager



PhytoTechnology  
Laboratories, LLC  
Dedicated to Growth

### **PhytoTechnology Laboratories, LLC**

Mailing Address: P.O. Box 13481, Shawnee Mission, KS 66282-3481  
Phone: 1-888-749-8682 (913-341-5343 *Outside the USA & Canada* )  
Fax: 1-888-449-8682 (913-341-5442 *Outside the USA & Canada* )  
Visit our Web Site at <http://www.phytotechlab.com>

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