

CERTIFICATE OF ANALYSIS

Product Description CITRIC ACID, ANHYDROUS
Product Number C277
Lot Number 02C27703
Storage Temperature Room Temperature
Molecular Weight 192.14
Formula $C_6H_8O_7$
CAS Number 77-92-9

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water	Passes
pH (0.10 g/L)	Under Development	3.20
Physical Appearance		
Color*	RM-31 (Brilliant White) RM-1 to RM-3	RM-31 White
Texture	Crystalline Powder	Crystalline Powder
Solution Appearance		
Clarity	Clear	Clear
Color	Colorless	Colorless
Average Time to Dissolve	Within 1 min	Passes
Precipitation Formation	None	Passes
Assay	≥ 99.0%	99.98%
Heavy Metals	For Information Only	< 10 ppm

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

Biological Testing:

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	Boston Fern	Passes
	Hosta	Passes

The material described in this certificate was manufactured in the United States of America and is synthetic in nature. 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.

Recommended Shelf Life Date: October 2010



Gary Seckinger, PhD



PhytoTechnology
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Dedicated to Growth

PhytoTechnology Laboratories, LLC

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