

CERTIFICATE OF ANALYSIS

Product Description CUPRIC SULFATE, PENTAHYDRATE
ACS
Product Number C375
Lot Number 07J37503
Storage Temperature Room Temperature
Molecular Weight 249.68
Formula $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$
CAS Number 7758-99-8

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water	Passes
pH (0.1 mg/mL)	Under Development	4.93
Physical Appearance Color*	2060-40 (Toronto Blue) 2058-40 to 2061-40	2060-40 (Toronto Blue)
Texture	Crystalline Powder	Crystalline Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	Within 1 min	Passes
Precipitation Formation	None	Passes
Assay	98.0 – 102.0%	100.75%

* 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	African Violet	Passes
	Boston Fern	Passes

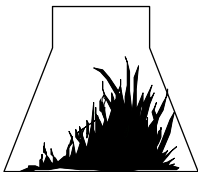
The material described in this certificate was manufactured in the United States of America and is of synthetic nature. No animal or plant derived components were used in the manufacture of this product.

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: September 2012



Gary Seckinger, PhD



PhytoTechnology
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Dedicated to Growth

PhytoTechnology Laboratories, LLC

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