CERTIFICATE OF ANALYSIS

Product Description	CUPRIC SULFATE, PENTAHYDRATE ACS
Product Number	C375
Lot Number	15C0375006
Storage Temperature	Room Temperature
Molecular Weight	249.68
Formula	$CuSO_4 \cdot 5H_2O$
CAS Number	7758-99-8

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
pH	Under Development	4.3
Physical Appearance Color* Texture	 2058-40 to 2061-40, 2066-50 Crystalline Powder	 2059-40 Blue Crystalline Powder
Solution Appearance Clarity Color	 Clear Colorless to Faint Blue Tint	 Clear Faint Blue Tint
Average Time to Dissolve	Within 3 min	Passes
Insolubles	None	Passes
Purity	Minimum 98.0%	99.14%

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

Biological Testing:

Test Concentration: 0.10 mg/L

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	Hosta	Passes
	Tobacco Callus	Passes

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

***Phyto*Technology 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. *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: March 2023

Gary Seckinger, Ph.D.

P*hyto*Technology Laboratories®
Dedicated to Growth

***Phyto*Technology Laboratories®**
Mailing Address: P.O. Box 12205, Shawnee Mission, KS 66282-2205
Phone: 1-888-749-8682 (1-913-341-5343 *Outside the USA & Canada*)
Fax: 1-888-449-8682 (1-913-341-5442 *Outside the USA & Canada*)
Visit our Web Site at http://www.phytotechlab.com

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