

# 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 @ 10 mg/mL	Passes
pH	Under Development	4.7
Physical Appearance		
Color*	2058-40 to 2061-40, 2066-50	2059-40 Blue
Texture	Crystalline Powder	Crystalline Powder
Solution Appearance		
Clarity	Clear	Clear
Color	Colorless to Faint Blue Tint	Faint Blue Tint
Average Time to Dissolve	For Information Only (Approx. 3 min)	3 min
Insolubles	None	Passes
Purity	Minimum 98.0%	100.75%

\* 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	African Violet	Passes
	Boston Fern	Passes

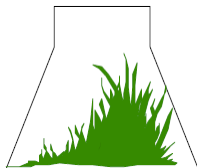
The material described in this certificate was manufactured in the United States of America and is of synthetic nature. No animal or plant derived components were used in the manufacture of this product.

**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: August 2021



Gary Seckinger, PhD



PhytoTechnology  
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