

# CERTIFICATE OF ANALYSIS

Product Description CUPRIC SULFATE, PENTAHYDRATE  
Product Number C375  
Lot Number HEW0375007  
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                                 | 4.4                                |
| Physical Appearance<br>Color*<br>Texture | 2058-40 to 2061-40, 2066-50<br>Crystalline Powder | 2060-40 Blue<br>Crystalline Powder |
| Solution Appearance<br>Clarity<br>Color  | Clear<br>Colorless to Faint Blue Tint             | Clear<br>Faint Blue Tint           |
| Average Time to Dissolve                 | Within 3 min                                      | Passes                             |
| Insolubles                               | None  | Passes                             |
| Purity                                   | Minimum 98.0%                                     | 99.68%                             |

\* 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 | Perilla Fantasy    | Passes  |
|  | H38 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.

**PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. 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.**

Date of Release: 12-October-2023

Recommended Shelf-Life Date: October 2031



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