



## CERTIFICATE OF ANALYSIS

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### 1. Identification

**Catalogue Number:** C685370

**CAS Number:** 7758-99-8

**Product:** Copper(II) Sulfate Pentahydrate

**Synonym:** Sulfuric acid copper(2+) Salt (1:1) Pentahydrate; Copper Sulfate (CuSO<sub>4</sub>) Pentahydrate; Copper Sulfate Pentahydrate; Copper(2+) Sulfate Pentahydrate; Copper(II) Sulfate Pentahydrate; Cupric Sulfate Pentahydrate

**Structure:** 

**Molecular Formula:**

CuSO<sub>4</sub>•5[H<sub>2</sub>O]

**Molecular weight:**

249.68

**Source of Product:**

N/A

**Solubility:**

Water (Slightly)

**Lot Number:** 711774511-2-1

**Purity:** N/A

**Shipping Condition:** This Product Is Stable To Be Shipped At Room Temperature

**Storage Condition:** 20°C

### 2. Warning

**Warning 1:**

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Light Blue to Dark Blue Solid	Blue to Dark Blue Solid
Sulfate Content	Report Result	39.72% by Ion Chromatography
Water Content	Report Result	25.6% by Karl Fischer

**Additional Information:** N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

### 4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Swathi Reddy	Toni Rantanen	Chanell Chu	5/24/2023	5/22/2027
				