

**Product Name:** Copper(II) sulfate pentahydrate, ACS, 98.0-102.0%, Thermo Scientific Chemicals

**Catalog Number:** 014178.A3

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

**IUPAC Name:** copper(2+) pentahydrate sulfate

**Molecular Formula:** CuH10O9S

**Molecular Weight:** 249.68

**InChI Key:** JZCCFEFSEZPSOG-UHFFFAOYSA-L

**SMILES:** O.O.O.O.O.[Cu++].[O-]S([O-])(=O)=O

**Synonym:** cupric sulfate copper(II) sulfate, pentahydrate CuSO<sub>4</sub>.5H<sub>2</sub>O cupric sulfate pentahydrate

## Product Specification

**Insoluble material:** 0.005%

**Impurity content:** Cl 0.001%

**Impurity content:** K 0.01%

**Impurity content:** Ni 0.005%

**Assay (unspecified):** 98.0-102.0% CuSO<sub>4</sub>.5H<sub>2</sub>O

**Impurity content:** Fe 0.003%

**Impurity content:** Nitrogen compounds (as N) 0.002%

**Impurity content:** Ca 0.005%

**Impurity content:** Na 0.02%

**Date Of Print:** 05/15/2024

*Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.*