

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaldrich.com](http://www.sigmaldrich.com)

Email USA: [techserv@sial.com](mailto:techserv@sial.com)

Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:  
Copper(II) chloride dihydrate - ≥99.95% trace metals basis

**Product Number:** 467847  
**CAS Number:** 10125-13-0  
**MDL:** MFCD00149674  
**Formula:** Cl<sub>2</sub>Cu · 2H<sub>2</sub>O  
**Formula Weight:** 170.48 g/mol

CuCl<sub>2</sub> · 2H<sub>2</sub>O

TEST	Specification
Appearance (Color) Blue to Blue-Green	Blue
Appearance (Form)	Powder or Crystals
Titration by Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	≥ 99.0 %
Insoluble matter C= 10%, Dilute HCl	≤ 0.01 %
Calcium (Ca)	≤ 0.005 %
Iron (Fe)	≤ 0.005 %
Potassium (K)	≤ 0.01 %
Sodium (Na)	≤ 0.02 %
Nickel (Ni)	≤ 0.01 %
Nitrate (NO <sub>3</sub> )	≤ 0.015 %
Sulfate (SO <sub>4</sub> )	≤ 0.005 %
ICP Major Analysis Confirms Copper Component	Confirmed
Purity > = 99.95% Based On Trace Metals Analysis	Conforms
Trace Metal Analysis	≤ 500.0 ppm

Specification: PRD.2.ZQ5.10000033641

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.