



# Product Specification

## Product Name: COPPER (II) CHLORIDE Dihydrate AR

Alternate Name(s) Cupric chloride

### Description

Green-blue deliquescent crystals or brownish-yellow powder.

### Properties

Chemical Formula:  $\text{CuCl}_2 \cdot \text{H}_2\text{O}$

Molecular Weight: 170.48

Product Code: CA004

CAS No. 10125-13-0

### General Information:

Soluble in water and alcohol. Incompatible with acids, potassium, sodium, hydrazine, nitromethane, strong oxidisers, acetylene, aluminium and sodium hypobromite.

### Hazard and Safety Data

UN Group: III  
Class: 8  
UN Number: 2802  
Hazchem code: 2X  
CS MSDS Code: 1CH28  
Poison schedule: S6  
Emergency  
Procedure Guide No.: 37

### Quality Specification

Assay: 99.0% min.

### Specific Properties and Impurities [Typical levels]:

Melting Point (Loses 2H <sub>2</sub> O)	100 °C
Insoluble matter	≤ 0.01%
pH (5% in water)	3.0-3.8
Nitrate (NO <sub>3</sub> )	≤ 0.015%
Sulfate (SO <sub>4</sub> )	≤ 0.005%
Total nitrogen	≤ 0.003%
Arsenic (As)	≤ 0.0001%
Calcium (Ca)	≤ 0.005%
Iron (Fe)	≤ 0.003%
Lead (Pb)	≤ 0.004%
Nickel (Ni)	≤ 0.001%
Potassium (K)	≤ 0.01%
Sodium (Na)	≤ 0.02%
Non precipitable with H <sub>2</sub> S (as SO <sub>4</sub> )	≤ 0.1%

CONFORMS TO ACS

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