



**ChemPure\* Brand  
Chemicals**

...Pure Quality

Certificate of Analysis

Product: **COPPER(II) CHLORIDE DIHYDRATE, ACS**

Cat: CP-B1416D  
Lot: 002154-2016 (053-2)  
Retest Date: Nov. 30, 2019  
Storage: RT

CAS: 10125-13-0  
MF:  $\text{CuCl}_2 \cdot 2\text{H}_2\text{O}$   
MW: 170.48  
MP: 100°C (Approx)

| Test               | SPECIFICATION               | Result                    |
|--------------------|-----------------------------|---------------------------|
| Assay by Titration | >99.0%                      | 99.36%                    |
| Insoluble Material | ≤ 0.01                      | 0.0021 %                  |
| Appearance         | Blue Crystals               | Blue Crystals             |
| Solubility         | 121gm in 100ml water@16°C   | Clear (10% sol. in water) |
| pH                 | 2.0-4.0                     | 3.29                      |
| Anion              | Nitrate (NO <sub>3</sub> ): | <0.015%                   |
|                    | Sulfate (SO <sub>4</sub> ): | <0.01%                    |
| Cation             | Calcium (Ca):               | 0.00044%                  |
|                    | Iron (Fe):                  | 0.00062%                  |
|                    | Nickel (Ni):                | 0.0001%                   |
|                    | Potassium (K):              | <0.01%                    |
|                    | Sodium (Na):                | 0.0029%                   |
|                    | Nitrogen (N):               | <0.004%                   |
|                    | Arsenic (As):               | 0.0001%                   |
|                    | Lead (Pb):                  | 0.00023%                  |
|                    | Barium (Ba):                | 0.000035%                 |

V. Mekesa  
QC Manager  
Jan 5, 2018

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