

## Certificate of Analysis

Date of Testing: 2023-03-07 15:01:34  
Date of Next Testing: 2027-03-06 15:01:34  
Product Name: **Cupric carbonate basic**  
CAS Number: 12069-69-1  
Specifications & Purity: 54-57% Cu basis  
Lot #: B2328418  
SKU #: **C112522**  
Analysis: **184422**

Parameter	Limit Values	Result
(NO <sub>3</sub> )Nitrate	0-0.03 (%)	0.01 %
Ammonia (NH <sub>4</sub> )	0-0.1 (%)	0.05 %
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-0.01 (%)	0.01 %
Chloride (Cl <sup>-</sup> )	0-0.001 (%)	0.00 %
Substances not precipitated by hydrogen sulfide	0-0.75 (%)	0.29 %
Insoluble matter in acid	0-0.01 (%)	0.00 %
Complexometric EDTA (Cu)	54-57 (%)	55.53 %
Iron(Fe)	0-0.01 (%)	0.00 %
Appearance (C112522)	Blue-Green, Light Green or Aqua Powder	Blue-Green, Light Green or Aqua Powder
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager