

## Certificate of Analysis

Date of Testing: 2023-12-27 16:20:16  
Date of Next Testing: 2027-12-26 16:20:16  
Product Name: **Copper sulfate pentahydrate**  
CAS Number: 7758-99-8  
Specifications & Purity: high-purity  
Lot #: L2322317  
SKU #: **C112398**  
Version: **0**  
Analysis #: **309574**

| Parameter               | Limit Values          | Result                |
|-------------------------|-----------------------|-----------------------|
| Insoluble matter in H2O | 0-0.0002 (%)          | 0.00 %                |
| Cobalt(Co)              | 0-0.00026 (%)         | 0.00 %                |
| Iron(Fe)                | 0-0.003 (ppm)         | 0.00 ppm              |
| Zinc(Zn)                | 0-0.0006 (%)          | 0.00 %                |
| Nickel(Ni)              | 0-0.00025 (%)         | 0.00 %                |
| (Pb)Lead                | 0-10 (%)              | 3.50 %                |
| Calcium(Ca)             | 0-0.00015 (µg/mg)     | 0.00 µg/mg            |
| (As)Arsenic             | 0-10 (%)              | 2.86 %                |
| Sodium(Na)              | 0-0.02 (%)            | 0.01 %                |
| Aluminum(Al)            | 0-0.002 (%)           | 0.00 %                |
| Assay                   | 99.5-100 (%)          | 99.99 %               |
| PH                      | 3.5-4.5               | 4.00                  |
| Potassium(K)            | 0-0.01 (%)            | 0.01 %                |
| Chloride (Cl-)          | 0-0.00013 (%)         | 0.00 %                |
| X-Ray Diffraction       | Conforms to Structure | Conforms to Structure |



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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager