

## Certificate of Analysis

Date of Testing: 2023-12-27 16:52:50  
Date of Next Testing: 2027-12-26 16:52:50  
Product Name: **Copper sulfate pentahydrate**  
CAS Number: 7758-99-8  
Specifications & Purity: high-purity  
Lot #: L2322329  
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



ALADDIN SCIENTIFIC CORPORATION

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

John Su  
QA & QC Manager