

ALADDIN SCIENTIFIC CORPORATION  
 14078 Meridian Parkway, Riverside, CA. 92518

### Certificate of Analysis

Date of Testing: 2022-09-27 18:01:23  
 Date of Next Testing: 2026-09-26 18:01:23  
 Product Name: **Cobalt sulfate heptahydrate**  
 CAS Number: 10026-24-1  
 Specifications & Purity: AR, ≥99%  
 Lot #: I2220153  
 SKU #: **C116455**  
 Version: **0**  
 Analysis #: **140354**  
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Calcium(Ca)	0-0.005 (%)	0.00210 %
Total Nitrogen	0-0.05 (%)	0.03600 %
Purity Titration by EDTA	99-100 (%)	99.47900 %
Chloride (Cl-)	0-0.002 (%)	0.00100 %
Zinc(Zn)	0-0.005 (%)	0.00290 %
Sodium(Na)	0-0.01 (%)	0.00500 %
Manganese(Mn)	0-0.005 (%)	0.00300 %
Insoluble matter in H2O	0-0.005 (%)	0.00180 %
Iron(Fe)	0-0.001 (%)	0.00060 %
Nickel(Ni)	0-0.01 (%)	0.00430 %
Copper(Cu)	0-0.001 (%)	0.00020 %
Appearance (C116455)	orange to red or brown powder or chunks	orange to red or brown powder or chunks
Solubility in H2O , Pink to Red,Clear to Very Slightly Hazy,100 mg/ml	pass	Pass
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager