

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-11-22 08:34:42
 Date of Next Testing: 2028-11-21 08:34:42
 Product Name: **Electrodeposited cobalt**
 CAS Number: 7440-48-4
 Specifications & Purity: Co $\geq$ 99.95%
 Lot #: K2520848
 SKU #: **E1455817**
 Version: **1**
 Analysis #: **566163**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity((Co)	99.95-100 (%)	99.99200 %
Copper(Cu)	0-0.005 (%)	0.00030 %
Nickel(Ni)	0-0.01 (%)	0.00040 %
Iron(Fe)	0-0.006 (%)	0.00080 %
Manganese(Mn)	0-0.005 (%)	0.00010 %
Magnesium(Mg)	0-0.002 (%)	0.00010 %
Lead(Pb)	0-0.0005 (%)	0.00020 %
Zinc(Zn)	0-0.002 (%)	0.00010 %
Cadmium(Cd)	0-0.0005 (%)	0.00010 %
Aluminum(Al)	0-0.002 (%)	0.00010 %
Stannum(Sn)	0-0.0005 (%)	0.00010 %
Antimony(Sb)	0-0.0006 (%)	0.00010 %
Bismuth(Bi)	0-0.0003 (%)	0.00010 %
Phosphorus (P)	0-0.001 (%)	0.00010 %
Sulfur(S)	0-0.001 (%)	0.00030 %
Arsenic(As)	0-0.0007 (%)	0.00010 %
Silicon(Si)	0-0.003 (%)	0.00130 %
Total impurity	0-0.05 (%)	0.00780 %
Carbon	0-0.005 (%)	0.00350 %



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

John Su
QA & QC Manager