

## Certificate of Analysis

Date of Testing: 2023-02-27 18:46:30  
Date of Next Testing: 2027-02-26 18:46:30  
Product Name: **Cobalt**  
CAS Number: 7440-48-4(powder)  
Specifications & Purity: 99.9% metals basis, ≤500nm  
Lot #: B2321390  
SKU #: **C299285**  
**Analysis:** **013117**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Total Metallic Impuritie	0-2000 (ppm)	468.00 ppm
Purity(Based On Trace Metals Analysis)	99.9-100 (%)	99.95 %
Particle size	0-500 (nm)	499.98 nm
Appearance (C299285)	grey to black powder	grey to black powder
ICP: Confirms Cobalt Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager