

## Certificate of Analysis

Date of Testing: 2023-05-19 16:47:42  
Date of Next Testing: 2027-05-18 16:47:42  
Product Name: **Cobalt**  
CAS Number: 7440-48-4(powder)  
Specifications & Purity: 99.9% metals basis, ≤500nm  
Lot #: E23161254  
SKU #: **C299285**  
**Analysis:** **202919**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Particle size	0-500 (nm)	290.51 nm
Purity(Based On Trace Metals Analysis)	99.9-100 (%)	99.97 %
Total Metallic Impuritie	0-2000 (ppm)	326.00 ppm
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