

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

### Certificate of Analysis

Date of Testing: 2024-02-04 09:45:01  
Date of Next Testing: 2028-02-03 09:45:01  
Product Name: **Cobalt oxide**  
CAS Number: 1308-06-1  
Specifications & Purity: ≥99.5% metals basis, 50nm  
Lot #: A2419245  
SKU #: **C111615**  
Version: **0**  
Analysis #: **320115**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Particle size	30-70 (nm)	32.81000 nm
Purity(Based On Trace Metals Analysis)	99.5-100 (%)	99.99060 %
Total Metallic Impuritie	0-5000 (ppm)	94.00000 ppm
Complexometric EDTA (Co)	71.6-75.2 (%)	71.69000 %
Appearance (C111615)	black powder	black powder
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager