

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-10-24 16:49:04  
Date of Next Testing: 2026-10-23 16:49:04  
Product Name: **Nickel oxide**  
CAS Number: 1313-99-1  
Specifications & Purity: AR, ≥99%  
Lot #: J2222360  
SKU #: **N108314**  
Version: **0**  
Analysis #: **143655**

Parameter	Limit Values	Result
Cobalt(Co)	0-0.1 (%)	0.05 %
Sulfate(SO42-)	0-0.02 (%)	0.01 %
(NO3)Nitrate	0-0.01 (%)	0.01 %
Vulcanization ammonium not sediment(With sulfate plan)	0-0.1 (%)	0.06 %
Iron(Fe)	0-0.005 (%)	0.00 %
Heavy metals (as Cu)	0-0.01 (%)	0.01 %
HCl insoluble	0-0.05 (%)	0.02 %
Ni(Gravimetric Analysis With Dimethylglyoxime)	76.2-79.8 (%)	77.86 %
Appearance (N108314)	Green to Very Dark Green and Green-Brown Powder	Green to Very Dark Green and Green-Brown Powder
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager