

## Certificate of Analysis

Date of Testing: 2023-09-09 08:39:27  
Date of Next Testing: 2027-09-08 08:39:27  
Product Name: **Nickel oxide**  
CAS Number: 1313-99-1  
Specifications & Purity: 99.5%metals basis, < 30nm  
Lot #: H2331580  
SKU #: **N140976**  
**Analysis:** **263045**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Total Metallic Impuritie	0-5000 (ppm)	4529.00 ppm
Purity(Based On Trace Metals Analysis)	99.5-100 (%)	99.55 %
Average Particle Size(TEM)	0-30 (nm)	15.53000 nm
Assay(Ni)(With Dimethylglyoxime)	76.2-81 (%)	80.95 %
Appearance (N140976)	dark green to black powder	dark green to black powder
ICP: Confirms Nickel Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager