

## Certificate of Analysis

Date of Testing: 2023-05-18 10:21:05  
Date of Next Testing: 2026-05-17 10:21:05  
Product Name: **Niobium(IV) oxide**  
CAS Number: 12034-59-2  
Specifications & Purity: 99.9% trace metals basis  
Lot #: E2309992  
SKU #: **N475087**  
Analysis: **212179**

Parameter	Limit Values	Result
Purity(Based On Trace Metals Analysis)	99.9-100 (%)	99.98 %
Trace Metal Analysis	0-1000 (ppm)	159.00 ppm
Appearance(N475087)	Dark Grey to Black Powder	Dark Grey to Black Powder
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager