

## Certificate of Analysis

Date of Testing: 2023-04-17 09:37:56  
Date of Next Testing: 2027-04-16 09:37:56  
Product Name: **niobium carbide**  
CAS Number: 12069-94-2  
Specifications & Purity: 99% metals basis, 1-4 $\mu$ m  
Lot #: G1903098  
SKU #: **N111041**  
Analysis: **212026**

Parameter	Limit Values	Result
Particle size	1-4 ( $\mu$ m)	3.97 $\mu$ m
Purity(Based On Trace Metals Analysis)	99-100 (%)	99.94 %
Total Metallic Impuritie	0-10000 (ppm)	624.00 ppm
Appearance (N111041)	black powder	black powder
ICP:Confirms Niobium Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager