

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-07-03 15:10:37  
Date of Next Testing: 2026-07-02 15:10:37  
Product Name: **niobium carbide**  
CAS Number: 12069-94-2  
Specifications & Purity: 99% metals basis,1-4 $\mu$ m  
Lot #: F2228310  
SKU #: **N111041**  
Analysis: **098063**

Parameter	Limit Values	Result
Particle size	1-4 ( $\mu$ m)	2.62 $\mu$ m
Purity(Based On Trace Metals Analysis)	99-100 (%)	100.00 %
Total Metallic Impuritie	0-10000 (ppm)	43.00 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