

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-10-15 11:37:39

Date of Next Testing: 2028-10-14 11:37:39

Product Name: **Zirconium carbide**

CAS Number: 12070-14-3

Specifications & Purity: $\geq 99\%$, 50nm

Lot #: J2414721

SKU #: **Z109303**

Version **0**

Analysis #: **414569**

Parameter	Limit Values	Result
Average particle size	40-60 (nm)	53.00000 nm
Zr(Gravimetric Analysis)	87-89.7 (%)	87.20000 %
Appearance (Z109303)	Grey to Dark Grey Powder	Grey to Dark Grey Powder
ICP: Confirms Zirconium Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager