

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-05-16 14:09:34
 Date of Next Testing: 2029-05-15 14:09:34
 Product Name: **Zirconium carbide**
 CAS Number: 12070-14-3
 Specifications & Purity: $\geq 98.5\%$, 200-400nm
 Lot #: H2110372
 SKU #: **Z301916**
 Version: **0**
 Analysis #: **510704**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Hafnium(Hf)	0-2 (%)	1.48600 %
Particle size	200-400 (nm)	281.33030 nm
Zr (Gravimetric Analysis After Ignition To Oxide)	85.8-89 (%)	88.98600 %
Appearance (Z301916)	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