

ALADDIN SCIENTIFIC CORPORATION  
14078 Meridian Parkway, Riverside, CA. 92518

### Certificate of Analysis

Date of Testing: 2025-09-29 18:59:23  
Date of Next Testing: 2029-09-28 18:59:23  
Product Name: **Zirconium boride**  
CAS Number: 12045-64-6  
Specifications & Purity:  $\geq 99.5\%$  metals basis, excluding Hf, 1-3um  
Lot #: 12523678  
SKU #: **Z131682**  
Version: **0**  
Analysis #: **564039**

Parameter	Limit Values	Result
Particle size	1-3 ( $\mu\text{m}$ )	1.81 $\mu\text{m}$
Purity(metals basis excluding Hf)	99.5-100 (%)	99.84 %
Trace analysis of ICP	0-5000 (ppm)	1563.00 ppm
Appearance (Z131682)	Gray to Black powder or crystals	Gray to Black powder or crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager