

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-08-07 16:52:53

Date of Next Testing: 2030-08-06 16:52:53

Product Name: **Zirconium boride**

CAS Number: 12045-64-6

Specifications & Purity:  $\geq 99.5\%$  metals basis, excluding Hf, 1-3um

Lot #: H2604001

SKU #: **Z131682**

Version: **0**

Analysis #: **564039**

Storage Temperature: Room temperature

| Parameter                         | Limit Values                     | Result                           |
|-----------------------------------|----------------------------------|----------------------------------|
| Particle size                     | 1-3 ( $\mu\text{m}$ )            | 1.81000 $\mu\text{m}$            |
| Purity(metals basis excluding Hf) | 99.5-100 (%)                     | 99.84370 %                       |
| Trace analysis of ICP             | 0-5000 (ppm)                     | 1563.00000 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            |



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QA & QC Manager