

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-04-16 18:42:33
 Date of Next Testing: 2030-04-15 18:42:33
 Product Name: **Zirconium dioxide**
 CAS Number: 1314-23-4
 Specifications & Purity: $\geq 99.99\%$ metals basis, excluding Hf or HfO₂, powder, $\leq 100\text{nm}$
 Lot #: D2608496
 SKU #: **Z104402**
 Version: **0**
 Analysis #: **685903**
 Storage Temperature: Room temperature, Desiccated, Cool

Parameter	Limit Values	Result
Particle size	0-100 (nm)	40.67000 nm
Purity Based On Trace Metals Analysis (excluding Hf or HfO ₂)	99.99-100 (%)	99.99020 %
Trace Metal Analysis(excluding Hf or HfO ₂)	0-200 (ppm)	98.00000 ppm
Appearance (Z104402)	white powder	White powder
ICP Major Analysis	Confirmed to structure	Confirmed to structure
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager