

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

Certificate of Analysis

Date of Testing: 2025-12-09 13:35:16
Date of Next Testing: 2029-12-08 13:35:16
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 #: L2504549
SKU #: **Z104402**
Version: **0**
Analysis #: **614611**

Parameter	Limit Values	Result
Particle size	0-100 (nm)	43.82 nm
Purity Based On Trace Metals Analysis (excluding Hf or HfO ₂)	99.99-100 (%)	99.99%
Trace Metal Analysis(excluding Hf or HfO ₂)	0-200 (ppm)	98.00 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