

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-12-09 14:50:40

Date of Next Testing: 2029-12-08 14:50:40

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 #: L2504547

SKU #: **Z104402**

Version: **0**

Analysis #: **614611**

Storage Temperature: Room temperature, Desiccated, Cool

Parameter	Limit Values	Result
Particle size	0-100 (nm)	43.82000 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