

Certificate of Analysis

Date of Testing: 2024-11-14 10:23:58
Date of Next Testing: 2028-11-13 10:23:58
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 #: K2406629
SKU #: **Z104402**
Version: **0**
Analysis #: **421307**

Parameter	Limit Values	Result
Particle size	0-100 (nm)	35.71 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)	100.00 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