

Certificate of Analysis

Date of Testing: 2024-07-18 09:54:20

Date of Next Testing: 2027-07-18 09:54:20

Product Name: **Hafnium(IV) dichloride oxide octahydrate (98+%-Hf, 1.5% Zr)**

CAS Number: 14456-34-9

Specifications & Purity: $\geq 98\%$ (metals basis excluding Zr), Zr < 1.5%

Lot #: G2411323

SKU #: **H283508**

Version: **2**

Analysis #: **367095**

Parameter	Limit Values	Result
Zirconium(Zr)	0-1.5 (%)	0.30 %
Purity(metals basis excluding Zr)	98-100 (%)	99.98870 %
Water by Karl Fischer	33-36 (%)	35.72 %
X-Ray Diffraction	Conforms to Structure	Conforms to Structure
Appearance(H283508)	White powder	White powder



John Su
QA & QC Manager