

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-12-17 18:25:44

Date of Next Testing: 2028-12-16 18:25:44

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 #: L2511076

SKU #: **H283508**

Version **2**

Analysis #: **470092**

Parameter	Limit Values	Result
Zirconium(Zr)	0-1.5 (%)	1.47 %
Water by Karl Fischer	33-36 (%)	35.61 %
Purity(metals basis excluding Zr)	98-100 (%)	98.07200 %
Appearance(H283508)	White powder	White powder
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager