

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-11-02 10:59:57

Date of Next Testing: 2025-11-01 10:59:57

Product Name: **Hafnium(IV) dichloride oxide octahydrate**

CAS Number: 14456-34-9

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

Lot #: J2225386

SKU #: **H283508**

Version: **2**

Analysis #: **128502**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(metals basis excluding Zr)	98-100 (%)	99.99900 %
Zirconium(Zr)	0-1.5 (%)	0.36980 %
Water by Karl Fischer	33-36 (%)	35.95520 %
Appearance(H283508)	White powder	White powder
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager