

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-03-08 10:08:44

Date of Next Testing: 2028-03-07 10:08:44

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

CAS Number: 14456-34-9

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

Lot #: C2505666

SKU #: **H283508**

Version: **2**

Analysis #: **470092**

Storage Temperature: Room temperature

| Parameter                         | Limit Values          | Result                |
|-----------------------------------|-----------------------|-----------------------|
| Zirconium(Zr)                     | 0-1.5 (%)             | 1.47010 %             |
| Water by Karl Fischer             | 33-36 (%)             | 35.60700 %            |
| 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