

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-11-28 16:59:12

Date of Next Testing: 2026-11-28 16:59:12

Product Name: **Hafnium trifluoromethanesulfonate**

CAS Number: 161337-67-3

Specifications & Purity:  $\geq 90\%$

Lot #: K2426737

SKU #: **H138326**

Version: **1**

Analysis #: **438332**

Storage Temperature: Protected from light, Room temperature, Argon charged, Desiccated, Cool

| Parameter                                         | Limit Values                            | Result                                  |
|---------------------------------------------------|-----------------------------------------|-----------------------------------------|
| Hf(Gravimetric Analysis, After Ignition to Oxide) | 20-35 (%)                               | 23.43000 %                              |
| Purity(Chelometric Titration)                     | 90-100 (%)                              | 98.01000 %                              |
| Appearance (H138326)                              | White to Light yellow powder to crystal | White to Light yellow powder to crystal |
| Infrared spectrum                                 | Conforms to Structure                   | Conforms to Structure                   |
| FNMR spectrum                                     | Conforms to Structure                   | Conforms to Structure                   |



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QA & QC Manager