

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-11-28 17:06:12

Date of Next Testing: 2026-11-28 17:06:12

Product Name: **Hafnium trifluoromethanesulfonate**

CAS Number: 161337-67-3

Specifications & Purity: $\geq 90\%$

Lot #: K2426742

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



John Su
QA & QC Manager