

Certificate of Analysis

Date of Testing: 2023-03-10 18:01:21

Date of Next Testing: 2027-03-09 18:01:21

Product Name: **Hafnium fluoride**

CAS Number: 13709-52-9

Specifications & Purity: 99.9% metals basis (excludes ~1% zirconium)

Lot #: C2307517

SKU #: **H119202**

Analysis: **156542**

Parameter	Limit Values	Result
Trace Metal Analysis(excluding ZrContent)	0-2000 (ppm)	1265.00 ppm
Hf by Gravimetric Analysis	65-72 (%)	66.17 %
Purity(Based on Trace Metals Analysis)excludes up to ~1% Zr	99.9-100 (%)	99.90 %
Appearance (H119202)	white powder	White powder
ICP:Confirms Hafnium Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager