

Certificate of Analysis

Date of Testing: 2024-04-25 11:55:24

Date of Next Testing: 2028-04-24 11:55:24

Product Name: **Hafnium oxide**

CAS Number: 12055-23-1

Specifications & Purity: 99.9% (metals basis excluding Zr), Zr <0.5%

Lot #: D2419016

SKU #: **H123380**

Analysis: **056041**

Parameter	Limit Values	Result
Trace Metal Analysis(excluding ZrContent)	0-2000 (ppm)	111.00 ppm
Purity Based On Trace Metals Analysis(excluding Zr)	99.9-100 (%)	99.99 %
Zirconium(Zr)	0-0.5 (%)	0.44 %
Appearance (H123380)	white powder	White powder
ICP:Confirms Hafnium Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager