

Certificate of Analysis

Date of Testing: 2024-12-07 16:10:08

Date of Next Testing: 2028-12-06 16:10:08

Product Name: **Dysprosium oxide**

CAS Number: 1308-87-8

Specifications & Purity: $\geq 99.5\%$ metals basis, $\leq 40\text{nm}$

Lot #: L2406128

SKU #: **D105276**

Version: **0**

Analysis #: **091614**

Storage Temperature: Desiccated

Parameter	Limit Values	Result
Trace Rare Earth Analysis	0-5000 (ppm)	334.00 ppm
Particle size	0-40 (nm)	22.33 nm
Purity(Based On Trace Rare Earth Analysis)	99.5-100 (%)	99.97 %
Appearance (D105276)	White to Off-White Powder	White to Off-White Powder
ICP Assay	Confirmed to structure	Confirmed to structure
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager