

## Certificate of Analysis

Date of Testing: 2022-07-08 15:05:31  
Date of Next Testing: 2026-07-07 15:05:31  
Product Name: **Dysprosium oxide**  
CAS Number: 1308-87-8  
Specifications & Purity: nanopowder, ≤40nm, 99.5% metals basis  
Lot #: G2203160  
SKU #: **D105276**  
**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