

## Certificate of Analysis

Date of Testing: 2023-07-14 13:43:31  
Date of Next Testing: 2027-07-13 13:43:31  
Product Name: **Dysprosium oxide**  
CAS Number: 1308-87-8  
Specifications & Purity: <100 nm particle size, 5 wt. % in H<sub>2</sub>O, ≥99.9% trace metals  
Lot #: K1524080  
SKU #: **D128343**  
Analysis: **251764**

Parameter	Limit Values	Result
Trace Rare Earth Analysis	0-2000 (ppm)	890.00 ppm
particle size(BET)	0-100 (nm)	60.00 nm
Miscellaneous Assays	4-6 (wt%)	5.10 wt%
Purity(Based On Trace Rare Earth Analysis of ICP)	99.9-100 (%)	99.92%
Appearance (D128343)	White to off-white dispersion	White to off-white dispersion
ICP:Confirms dysprosium Component	Confirmed	Confirmed



John Su  
QA & QC Manager