

## Certificate of Analysis

Date of Testing: 2023-03-02 17:52:10  
Date of Next Testing: 2027-03-01 17:52:10  
Product Name: **Holmium oxide**  
CAS Number: 12055-62-8  
Specifications & Purity: 99.99% metals basis  
Lot #: B2327348  
SKU #: **H105899**  
**Analysis: 155343**

Parameter	Limit Values	Result
Ho(Complexometric EDTA)	86-88.6 (%)	86.90 %
Trace Rare Earth Analysis	0-200 (ppm)	66.00 ppm
Purity(Based On Trace Rare Earth Analysis)	99.99-100 (%)	99.99 %
Total Metallic Impuritie	0-200 (ppm)	100.00 ppm
Appearance (H105899)	White to Off-White to Light Orange Powder	White to Off-White to Light Orange Powder
ICP: Confirms Holmium Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager