

Certificate of Analysis

Date of Testing: 2024-10-29 14:44:48
Date of Next Testing: 2028-10-28 14:44:48
Product Name: **Lutetium(III) chloride hexahydrate**
CAS Number: 15230-79-2
Specifications & Purity: $\geq 99.9\%$ metals basis
Lot #: J2422611
SKU #: **L119053**
Version: **0**
Analysis #: **428514**

Parameter	Limit Values	Result
Lu(Complexometric EDTA)	43.8-46.1 (%)	44.80%
Trace Rare Earth Analysis	0-2000 (ppm)	114.00 ppm
Purity(Based On Trace Rare Earth Analysis)	99.9-100 (%)	99.99%
Water by Karl Fischer	25-30 (%)	28.27%
Appearance (L119053)	Colorless to White Powder and/or Chunks	Colorless to White Powder and/or Chunks
ICP: Confirms Lutetium Component	Confirmed to structure	Confirmed to structure
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager