

Certificate of Analysis

Date of Testing: 2023-05-09 10:51:23

Date of Next Testing: 2027-05-08 10:51:23

Product Name: **Cerium(III) chloride heptahydrate**

CAS Number: 18618-55-8

Specifications & Purity: 99.99% metals basis

Lot #: D23191157

SKU #: **C104761**

Analysis: **200744**

Storage Temperature: Desiccated

Parameter	Limit Values	Result
Purity(Based On Trace Rare Earth Analysis)	99.99-100 (%)	99.99%
Ce(Complexometric EDTA)	36.5-38.7 (%)	37.86%
Trace Rare Earth Analysis	0-200 (ppm)	73.00 ppm
Water by Karl Fischer	32-34 (%)	32.16%
Appearance (C104761)	White to Light Yellow Powder or Crystals	White to Light Yellow Powder or Crystals
ICP: Confirms Cerium Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager