

## Certificate of Analysis

Date of Testing: 2024-06-12 14:42:00  
Date of Next Testing: 2026-06-02 14:42:00  
Product Name: **Cerium(III) chloride heptahydrate**  
CAS Number: 18618-55-8  
Specifications & Purity: 99.9% metals basis  
Lot #: I2220106  
SKU #: **C104760**  
Version: **0**  
Analysis #: **366893**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(Based On Trace Rare Earth Analysis)	99.9-100 (%)	99.99%
Ce(Complexometric EDTA)	36.5-38.7 (%)	36.60%
Water by Karl Fischer	32-34 (%)	32.03%
Trace Rare Earth Analysis(by ICP Atomic emission)	0-2000 (ppm)	100.00 ppm
Appearance (C104760)	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