

## Certificate of Analysis

Date of Testing: 2024-08-09 14:48:00  
Date of Next Testing: 2028-08-08 14:48:00  
Product Name: **Cerium(III) chloride heptahydrate**  
CAS Number: 18618-55-8  
Specifications & Purity: 99.99% metals basis  
Lot #: H2401334  
SKU #: **C104761**  
Version: **0**  
Analysis #: **368365**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Water by Karl Fischer	32-34 (%)	33.29%
Purity(Based On Trace Rare Earth Analysis)	99.99-100 (%)	99.99%
Trace Rare Earth Analysis	0-200 (ppm)	100.00 ppm
Ce(Complexometric EDTA)	36.5-38.7 (%)	38.05%
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