

## Certificate of Analysis

Date of Testing: 2022-09-27 18:50:53  
Date of Next Testing: 2026-09-26 18:50:53  
Product Name: **Cerium(III) chloride heptahydrate**  
CAS Number: 18618-55-8  
Specifications & Purity: 99.99% metals basis  
Lot #: I2220112  
SKU #: **C104761**  
Version: **0**  
Analysis #: **120156**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Purity(Based On Trace Rare Earth Analysis)	99.99-100 (%)	100.00 %
Ce(Complexometric EDTA)	36.5-38.7 (%)	37.30 %
Trace Rare Earth Analysis	0-200 (ppm)	13.00 ppm
Water by Karl Fischer	32-34 (%)	33.58 %
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