

Certificate of Analysis

Date of Testing: 2022-12-15 14:48:45
Date of Next Testing: 2024-12-04 14:48:45
Product Name: **Cerium(III) chloride heptahydrate**
CAS Number: 18618-55-8
Specifications & Purity: 99.9% metals basis
Lot #: C2125166
SKU #: **C104760**
Analysis: 168832
Storage Temperature: Argon charged

| Parameter | Limit Values | Result |
|---|--|--|
| Purity(Based On Trace Rare Earth Analysis) | 99.9-100 (%) | 99.95 % |
| Ce(Complexometric EDTA) | 36.5-38.7 (%) | 36.56 % |
| Water by Karl Fischer | 32-34 (%) | 32.15 % |
| Trace Rare Earth Analysis(by ICP Atomic emission) | 0-2000 (ppm) | 593.00 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