

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-10-13 13:20:49  
Date of Next Testing: 2024-10-02 13:20:49  
Product Name: **Cerium(III) chloride heptahydrate**  
CAS Number: 18618-55-8  
Specifications & Purity: 99.9% metals basis  
Lot #: I2220104  
SKU #: **C104760**  
**Analysis: 120155**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(Based On Trace Rare Earth Analysis)	99.9-100 (%)	100.00 %
Ce(Complexometric EDTA)	36.5-38.7 (%)	36.80 %
Trace Rare Earth Analysis(by ICP Atomic emission)	0-2000 (ppm)	2.00 ppm
Water by Karl Fischer	32-34 (%)	32.05 %
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