

## Certificate of Analysis

Date of Testing: 2024-01-29 16:59:02  
Date of Next Testing: 2027-01-28 16:59:02  
Product Name: **Cerium(III) nitrate hexahydrate**  
CAS Number: 10294-41-4  
Specifications & Purity: 99% trace metals basis  
Lot #: A2424308  
SKU #: **C431279**  
Analysis: **220769**

Parameter	Limit Values	Result
Ce(Complexometric EDTA)	31.1-33.4 (%)	31.20%
Purity Based On Rare Earth Analysis	99-100 (%)	99.99%
Trace Rare Earth Analysis	0-10000 (ppm)	89.00 ppm
Appearance(C431279)	White to Off-White to Yellow Moist Powder or Crystals or Powder with Chunk(s) or Crystals with Chunk(s)	White to Off-White to Yellow Moist Powder or Crystals or Powder with Chunk(s) or Crystals with Chunk(s)
Solubility,5% in H2O,Clear,Colorless	pass	Pass
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager