

Certificate of Analysis

Date of Testing: 2023-03-21 15:12:08
Date of Next Testing: 2025-03-10 15:12:08
Product Name: **Cerium nitrate hexahydrate**
CAS Number: 10294-41-4
Specifications & Purity: 99.5% metals basis
Lot #: C2317992
SKU #: **C105376**
Analysis: **202522**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Cerium(Ce)	31.1-33.4 (%)	31.20 %
Purity(Based On Rare Earth Analysis of ICP)	99.5-100 (%)	99.99 %
Water by Karl Fischer	23-26 (%)	24.01 %
Trace Rare Earth Analysis	0-5000 (ppm)	89.00 ppm
Appearance (C105376)	White to Off-White Moist Crystals and/or Chunks	White to Off-White Moist Crystals and/or Chunks
Solubility,5% in H2O	Clear , Colorless	Clear , Colorless
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager