

Certificate of Analysis

Date of Testing: 2024-04-19 16:59:57
Date of Next Testing: 2026-04-09 16:59:57
Product Name: **Cerium nitrate hexahydrate**
CAS Number: 10294-41-4
Specifications & Purity: 99.5% metals basis
Lot #: D2417138
SKU #: **C105376**
Analysis: **348559**
Storage Temperature: Argon charged

| Parameter | Limit Values | Result |
|---|---|---|
| Cerium(Ce) | 31.1-33.4 (%) | 31.12 % |
| Purity(Based On Rare Earth Analysis of ICP) | 99.5-100 (%) | 100.00 % |
| Water by Karl Fischer | 23-26 (%) | 24.31 % |
| Trace Rare Earth Analysis | 0-5000 (ppm) | 23.00 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 |



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