

Certificate of Analysis

Date of Testing: 2024-04-19 17:03:48
Date of Next Testing: 2026-04-09 17:03:48
Product Name: **Cerium nitrate hexahydrate**
CAS Number: 10294-41-4
Specifications & Purity: 99.95% metals basis
Lot #: D2417142
SKU #: **C105378**
Analysis: **334625**
Storage Temperature: Argon charged

| Parameter | Limit Values | Result |
|--|---|---|
| Purity(Based On Trace Rare Earth Analysis) | 99.95-100 (%) | 100.00 % |
| Trace Rare Earth Analysis(by ICP Atomic emission) | 0-500 (ppm) | 23.00 ppm |
| Cerium(Ce) | 31.1-33.4 (%) | 31.12 % |
| CeO2(redox titration) | 38.8-40.5 (%) | 39.97000 % |
| Appearance (C105378) | White to Off-White Moist Crystals and/or Chunks | White to Off-White Moist Crystals and/or Chunks |
| ICP: Confirms Cerium Component | Confirmed | Confirmed |
| Solubility in H2O , Clear , Colorless(c =pass 5%, H2O) | | Pass |
| X-Ray Diffraction | Conforms to Structure | Conforms to Structure |



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