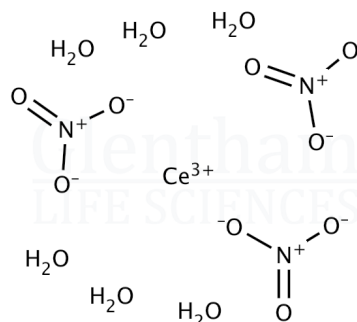


## Certificate of Analysis

|                    |                                 |
|--------------------|---------------------------------|
| Product Name       | Cerium(III) nitrate hexahydrate |
| Glenthams Code     | GK5085                          |
| CAS Number         | 10294-41-4                      |
| EINECS             | 233-297-2                       |
| Numéro MDL         | MFCD00149631                    |
| PubChem SID        | 310269549                       |
| CAS supplémentaire | 10108-73-3                      |
| Batch Number       | 736ZIV                          |

|                   |                                                    |
|-------------------|----------------------------------------------------|
| Molecular Weight  | 434.23                                             |
| Molecular Formula | $\text{CeN}_3\text{O}_9 \cdot 6\text{H}_2\text{O}$ |
| Storage Temp.     | +20°C                                              |



| Property                                          | Specification                                                   | Batch 736ZIV        |
|---------------------------------------------------|-----------------------------------------------------------------|---------------------|
| Physical Description                              | Colourless crystals or white to almost white crystalline powder | Colourless crystals |
| Solubility (5% in water)                          | Clear to very faintly turbid solution                           | Clear solution      |
| Sulphate (SO <sub>4</sub> )                       | ≤ 100ppm                                                        | 50ppm               |
| Iron(III) oxide (Fe <sub>2</sub> O <sub>3</sub> ) | ≤ 25ppm                                                         | 2ppm                |
| Calcium Oxide (CaO)                               | ≤ 25ppm                                                         | 21ppm               |
| Lanthanum oxide (La <sub>2</sub> O <sub>3</sub> ) | ≤ 100ppm                                                        | 30ppm               |
| Assay                                             | ≥ 99.5% (CeO <sub>2</sub> /TREO basis)                          | 99.99%              |

|                       |            |
|-----------------------|------------|
| Specification Version | v1.0       |
| Manufacture Date      | 2022-12-05 |
| Re-Test Date          | 2030-03-23 |

Glenthams Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glenthams.com](http://www.glenthams.com) or contact us using the details above for the current version of this document.

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