



CERTIFICATE OF ANALYSIS

PRODUCT NAME : CEROUS NITRATE AR 99.9%

(Cerium Nitrate hexahydrate)

CAS No : 10294-41-4

Mol. Formula : $\text{Ce}(\text{NO}_3)_3 \cdot 6\text{H}_2\text{O}$

Mol. WT : 434.22

Date of analysis : 17/02/20

Product code : 22538

Batch No : MCR-20851

Mfd. : Feb. 2020

Exp. : Jan. 2025

S. R	Test	Specification	Observation
1	Description	White to pale yellow crystal or crystalline powder	White crystalline powder
2	Assay by TREO	99.90% min	99.96%
3	CeO₂ by TREO	36.00% min	36.40%
4	Pr₆O₁₁ by TREO	0.006% max	0.005%
5	Nd₂O₃ by TREO	0.006% max	0.004%
6	La₂O₃ by TREO	0.006% max	0.005%
7	Sm₂O₃ by TREO	0.006% max	0.005%
8	Fe	100 ppm max	< 100 ppm
9	Sodium	100 ppm max	< 100 ppm
10	CaO+MgO	0.01% max	0.007%

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]

[QC Incharge]

**HEAD-QUALITY ASSUARANCE
(G.G.Salian)**

Note: Computer generated image requires no sign.

MOLYCHEM Office: 78/80 Babu Genu Road, Souri Bldg., 2nd Floor, Mumbai – 400 002 (INDIA)

Tel: +91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442. Email : info@molychem.net

Works: Plot No. B/9, Badlapur M.I.D.C., OPP.Shobhavat Textile Co.,

Kulgaon, Badlapur (E), Dist.-Thane-421 503