



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 : 06/09/20

Product code : 22538

Batch No : MCR-21927

Mfd. : Sept. 2020

Exp. : Aug. 2025

S. R	Test	Specification	Observation
1	Description	White to pale yellow crystal or crystalline powder	White crystal
2	Assay by TREO	99.90% min	99.92%
3	CeO ₂ by TREO	36.00% min	36.42%
4	Pr ₆ O ₁₁ by TREO	0.006% max	0.006%
5	Nd ₂ O ₃ by TREO	0.006% max	0.004%
6	La ₂ O ₃ by TREO	0.006% max	0.004%
7	Sm ₂ O ₃ by TREO	0.006% max	0.004%
8	Fe	100 ppm max	< 100 ppm
9	Sodium	100 ppm max	< 100 ppm
10	CaO+MgO	0.01% max	0.006%

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.

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