

CERTIFICATE OF ANALYSIS

PRODUCT NAME : CEROUS NITRATE AR 99.9%
(Cerium Nitrate hexahydrate)

CAS No	: 10294-41-4	Product code	: 22538
Mol. Formula	: $\text{Ce}(\text{NO}_3)_3 \cdot 6\text{H}_2\text{O}$	Batch No	: MCR-20851-03
Mol. WT	: 434.22	Mfd.	: Aug. 2024
Date of analysis	: 14/08/24	Exp.	: July 2029

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	99.92%
3	CeO ₂ by TREO	36.00% min	36.38%
4	Pr ₆ O ₁₁ by TREO	0.006% max	0.004%
5	Nd ₂ O ₃ by TREO	0.006% max	0.005%
6	La ₂ O ₃ by TREO	0.006% max	0.005%
7	Sm ₂ O ₃ 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]



**CHEMIST
(Deepa)**

[QC Incharge]



**HEAD-QUALITY ASSURANCE
(G.G.Salián)**

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