



CERTIFICATE OF ANALYSIS

PRODUCT NAME : L-THREONINE FOR BIOCHEMISTRY

CAS No	: 72-19-5	Product code	: 54060
Mol. Formula	: C₄H₉NO₃	Batch No	: MCR-28384
Mol. WT	: 119.12	Mfd.	: May 2023
Date of analysis	: 28/05/23	Exp.	: April 2028

S. R	Test	Specification	Observation
1	Description	White crystalline powder.	White crystalline powder.
2	Assay (HClO ₄ titration)	99% min.	99.62%
3	Specific rotation [α] ²⁰ _D C =2, water	- 29 to - 27 ⁰	-28.5 ⁰
4	Loss on drying at 105°C	0.5% max.	0.32%
5	Chloride (Cl)	0.01% max	< 0.01%
6	Sulphate (SO ₄)	0.01% max	< 0.01%
7	Iron (Fe)	0.001% max	< 0.001%
8	Heavy metals (Pb)	0.001% max	< 0.001%
9	Ammonium (NH ₄)	0.01% max	< 0.01%

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]

[QC Incharge]

**CHEMIST
(Priyanka)**

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

Note: Computer generated image requires no sign.

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