

CERTIFICATE OF ANALYSIS

PRODUCT NAME : L-LEUCINE FOR BIOCHEMISTRY

CAS No : 61-90-5
Mol. Formula : $C_6H_{13}NO_2$
Mol. WT : 131.18
Date of Analysis : 19/04/25

Product code : 53240
Batch No. : MCR-33766
Mfd. : April 2025
Exp. : March 2030

S. R	Test	Specification	Observation
1	Description	White powder or crystalline powder.	White powder.
2	Assay(HClO ₄ titration)	99% min	99.87%
3	Specific rotation $[\alpha]^{20}_D$ (C = 2.5N HCl)	+ 14 ⁰ to + 15 ⁰	+ 14.99 ⁰
4	Loss on drying (105°C)	0.5% max	0.02%
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	Ammonium (NH ₄)	0.02% max	<0.02%
9	Heavy metals (as Pb)	0.001% max	<0.001%

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]



**CHEMIST
(Sayli)**



[QC Incharge]



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

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