



CERTIFICATE OF ANALYSIS

PRODUCT NAME : L-ISOLEUCINE FOR BIOCHEMISTRY

CAS No : 73-32-5
Mol. Formula : $C_6H_{13}NO_2$
Mol. WT : 131.18
Date of analysis : 26/07/21

Product code : 15120
Batch No : MCR-23846
Mfd. : July 2021
Exp. : June 2026

S. R	Test	Specification	Observation
1	Description	White crystalline powder or powder.	White powder.
2	Assay	99% w/w min	99.30% w/w
3	Specific rotation $[\alpha]_D^{20}$ C = 2, 5 N HCl	+ 36 to + 37 ⁰	+ 36.25 ⁰
4	Loss on drying at 110°C	0.5% max	0.14%
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]

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

Note: Computer generated image requires no sign.

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