



CERTIFICATE OF ANALYSIS

Date: 07/02/17

PRODUCT NAME : L-ISOLEUCINE FOR BIOCHEMISTRY

CAS No : 73-32-5
Mol. Formula : $C_6H_{13}NO_2$
Mol. WT : 131.18
Exp. : Jan. 2022

Product code : 15120
Batch No : MCR-13130
Mfd. : Feb. 2017

S. R	Test	Specification	Observation
1	Assay	99% w/w min	99.54%
2	Specific rotation $[\alpha]^{20}_D$ C = 2, 5 N HCl	+ 36 to + 37°	+ 36.5°
3	Loss on drying at 110°C	0.5% max	0.15%
4	Chloride (Cl)	0.01% max	<0.01%
5	Sulphate (SO ₄)	0.01% max	<0.01%
6	Iron (Fe)	0.001% max	<0.001%
7	Heavy metals (Pb)	0.001% max	<0.001%
8	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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