

Manufacturers of Laboratory Fine Chemicals

Head Office: 403 Cosmos Plaza, (Westside Building), Nr DN Nagar Metro Station, Andheri West- 400053 Mumbai • Contact: +91 91360 93115 Factory: N-226 Near Kumbhavali Naka, Tarapur MIDC, Boisar – 401506. Tel: +91 8451043975/ 76 • Email:sales@pallavchemicals.com

CERTIFICATE OF ANALYSIS

Product Name	:	L-ISOLEUCINE 99% FOR BIOCHEMISTRY	
Cas No.	:	73-32-5	
Code No.	:	01538	
Batch No.	:	PC12211256	
Mfg. Date	:	DEC-2021	
Date Of Analysis	:	21/12/2021	
Retest Date	:	NOV-2026	

TEST	SPECIFICATION	RESULT
Appearance	White powder	White powder
Assay (by HClO ₄ titration)	Min 99%	99.49%
Specific optical rotation ([?]20/D; 40 g/L in 250 g/L HCl; on dried substance)	+40 to +43 ⁰	+41° (hemics
Specific optical rotation ([?]25/D; 40 g/L in 6M HCl; on dried substance)	+38.9 to +41.8 ⁰	+39.20
pH (1% solution in CO2 free water)	5.5 - 7.0	6.23
Chloride (Cl)	Max 0.02%	0.001%
Sulphate (SO ₄)	Max 0.03%	0.006%
Iron (Fe)	Max 0.001%	0.0004%
Heavy metal (as Pb)	Max 0.001%	0.0003%
Ammonium (NH ₄)	Max 0.02%	0.0008%
Foreign amino acids	Max 0.5%	0.0005%
Other ninhydrin positive substances (as glycine)	Max 0.1%	0.002%

REMARK: This product complies as per the specifications of Pallav Chemicals & Solvents Pvt. Ltd.

This is an electronically generated Certificate and is valid without a signature.

For Issues relating to Quality you may send us a mail on sales@pallavchemicals.com or call on 022 4928 4000

Website: www.pallavchemicals.com