

Manufacturers of Laboratory Fine Chemicals

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## **CERTIFICATE OF ANALYSIS**

Product Name	:	L-ISOLEUCINE 99% FOR BIOCHEMISTRY
Cas No.	:	73-32-5
Code No.	:	01538
Batch No.	:	PC07231060
Mfg. Date	:	JULY-2023
<b>Date Of Analysis</b>	:	26/07/2023
Retest Date	:	JUNE-2028

TEST	SPECIFICATION	RESULT
Appearance	White powder	White powder
Assay (by HClO <sub>4</sub> titration)	Min 99.0%	99.65%
Specific optical rotation ([?]20/D; 40 g/L in 250 g/L HCl; on dried substance)	+40 to +43°	+41° Chemics
Specific optical rotation ([?]25/D; 40 g/L in 6M HCl; on dried substance)	+38.9 to +41.8°	+39.2°
pH (1% solution in CO2 free water)	5.5 - 7.0	5.80
Chloride (Cl)	Max 0.02%	0.003%
Sulphate (SO4)	Max 0.03%	0.0013%
Iron (Fe)	Max 0.001%	0.0005%
Heavy metal (as Pb)	Max 0.001%	0.0006%
Ammonium (NH4)	Max 0.02%	0.008%
Foreign amino acids	Max 0.5%	0.11%
Other ninhydrin positive substances (as glycine)	Max 0.1%	0.03%

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