

## 1119 – L – ISOLEUCINE, 99%+ CRYSTALLINE

REF NO: TBL/QA/SS/LC/1119	<b>STANDARD SPECIFICATION FOR L - ISOLEUCINE 99% + CRYSTALLINE</b>	Rev. No: 03
Issue No: 04		Review Date: 10/03/2025
Issue Date: 11/03/2022		Product code: 1119

### PRODUCT PROPERTIES

C.A.S Number	73-32-5
Chemical Formula	C <sub>6</sub> H <sub>13</sub> NO <sub>2</sub>
Formula weight	131.17
Functional Uses	It is used as a cell culture media component in the commercial biomanufacture of therapeutic recombinant proteins and monoclonal antibodies.
Standard Packaging	5 gm, 25 gm.

### PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White crystalline powder, slightly bitter in taste.
Solubility	Freely soluble in formic acid, sparingly soluble in water, practically insoluble in ethanol and in ether.
State of Solution	Clear & colorless.

### CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Residue on Ignition (SO <sub>4</sub> )	NMT – 0.05%
Chloride (Cl)	NMT – 0.01%
Sulphate (SO <sub>4</sub> )	NMT – 0.01%
Loss on Drying (110°C)	NMT – 0.05%
Assay	N LT – 99.5%

**NOTE:** Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

