

## Product Specification

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Product Name:	L-Isoleucine
Grade:	USP
Product Code:	IB0914
Formula:	C <sub>6</sub> H <sub>13</sub> NO <sub>2</sub>
MW:	131.18
CAS#:	73-32-5

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Test Items	Specifications
Appearance	White crystalline powder
Identification (IR)	Conforms to reference spectrum
Assay	98.5% - 101.5%
pH	5.5 - 7.0
Specific Rotation [ $\alpha$ ] <sub>D<sup>25</sup></sub>	+38.9° - +41.8°
Chloride	≤0.05%
Sulfate	≤0.03%
Iron	≤30ppm
Heavy Metals	≤15ppm
Arsenic	≤1.5ppm
Loss on Drying	≤0.30%
Residue on Ignition	≤0.30%
Organic Volatile Impurities	Meets requirements
Recommended Retest Period:	2 Years

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Storage Condition: 18 – 25°C

*Rev 0*

2 International Business Park Road Strategy #01-04, Singapore(609930)

Tel: (+65) 6954 2519, (+65) 6491 5938

Email: [sg@biobasic-asia.com](mailto:sg@biobasic-asia.com) Web: [www.biobasic-asia.com](http://www.biobasic-asia.com)