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SPECIFICATION SHEET

PRODUCT NAME: L-Isoleucine

CAS #: 73-32-5

Item	Specification	Test Method
Appearance	Crystalline Powder	Visual
Color	White	Visual
Identification	Infrared absorption Positive	IR
Assay	98.5%~101.5%	Titration
Specific rotation	+38.9° ~+41.8°	USP
Loss on drying	≤0.3%	USP
Ignited residue	≤0.3%	USP
Sulfate	≤0.03%	USP
Chloride(Cl)	≤0.05%	USP
pH	5.5~7.0	USP
Iron	≤0.003%	USP
Heavy metals	≤15 ppm	CP VIII H method II
Arsenic	≤1 ppm	GB 5009-2010
Lead	≤3 ppm	GB 5009-2010
Cadmium	≤1 ppm	GB 5009.15-2003
Mercury	≤0.1 ppm	GB 5009.17-2003
Total plate count	≤1000 cfu/g	GB 4789.2-2010
Yeast and Molds	≤100 cfu/g	GB 4789.15-2010
Salmonella	Negative	GB 4789.4-2010
Coliforms	≤50 MPN/g	GB 4789.3-2010

Shelf life: 2 years

Country of origin: China

Starting material: Glucose

Composition: L-Isoleucine 100%, no carrier

Standard: USP

Storage: Store in a well-sealed container, keep in a cool and dry place away from light.