



新疆阜丰生物科技有限公司

XINJIANG FUFENG BIOTECHNOLOGIES CO.,LTD.

NO 188, FANGZHENG EAST STREET, GANQUANPU ECONOMIC AND TECHNOLOGICAL DEVELOPMENT ZONE, URUMCHI CITY, XINJIANG PROVINCE, PRC

**CERTIFICATE OF ANALYSIS  
FOR L-ISOLEUCINE**

Product Name: L-Isoleucine

CAS No.: 73-32-5

Packing: 25kg/drum

Batch No.: Y2208018

Quantity: 300kg

Mfg Date: 2022.08.08

Inspection Date: 2022.08.09

Expiry Date: 2025.08.07

Country of Origin: China

Source: Vegetarian Origin

Items	Specification	Test Results
Description	White Crystals or Crystalline Powder	Conforms
Identification (IR)	Concordant with the reference spectrum	Conforms
Assay	98.5%~101.5%	100.2%
Specific Rotation	+38.9°~+41.8°	+40.6°
PH	5.5-7.0	6.32
Residue on Ignition	≤0.30%	0.07%
Loss on Drying	≤0.30%	0.12%
Heavy Metals	≤10ppm	<10ppm
Lead (Pb)	≤0.5ppm	<0.5ppm
Arsenic (As)	≤1.0ppm	<1.0ppm
Cadmium (Cd)	≤1.0ppm	<1.0ppm
Mercury (Hg)	≤0.1ppm	<0.1ppm
Chloride (Cl)	≤0.05%	<0.05%
Sulfate (SO <sub>4</sub> )	≤0.03%	<0.03%
Iron (Fe)	≤0.003%	<0.003%
Total Plate Count	≤5000 cfu/g	<1000 cfu/g
Yeast and Molds	≤100 cfu/g	<100 cfu/g
Coliform Group	≤3 mpn/g	Conforms
Staphylococcus Aureus	≤3 mpn/g	Conforms
Salmonella	Negative	Negative
Conclusion: Passed Test According to the Standard of USP24.		

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