



Xinjiang Fufeng Biological Technology Co., Ltd.
新疆阜丰生物科技有限公司
Certificate Of Analysis
检验报告单

Product Name: L-Leucine

CAS No. 61-90-5

Packing: 25kg/drum

Batch No.:L1411015

Quantity:2000kg

Mfg Date: 2014.11.14

Inspection Date: 2014.11.15

Expiry Date: 2016.11.13

Country Of Origin: China

Items	Limits	Test results
Description	White crystals or crystalline powder	Conforms
Assay	98.5%~101%	99.6%
Identification (Infrared Absorption)	Corresponding to Reference Spectrum	Confirms
PH	5.5~7.0	6.42
Specific rotation	+14.9° ~+17.3°	+16.3°
Residue on Ignition	≤0.1%	0.09%
Loss on Drying	≤0.3%	0.09%
Chloride (Cl)	≤200ppm	<200ppm
Iron(Fe)	≤10ppm	<10ppm
Sulfate (SO ₄)	≤300ppm	<300ppm
Ammonium	≤200ppm	<200ppm
Heavy Metals	≤10ppm	<10ppm
Lead (Pb)	≤3ppm	<3ppm
Arsenic (As)	≤1ppm	<1ppm
Cadmium (Cd)	≤1ppm	<1ppm
Mercury (Hg)	≤0.1ppm	<0.1ppm
Total Plate Count	≤1000cfu/g	40cfu/g
Yeast and Molds	≤100cfu/g	<20cfu/g
E.Coli	Negative in 1g	Confirms
Staphylococcus Aureus	Negative in 1g	Confirms
Salmonella	Negative in 10g	Confirms
Organic volatile impurities	Meet the requirements	Meet the requirements
Storage Condition	Stored In Cool and Dry place.	
Conclusion: Passed test according to the Standard of USP24.		