



XINJIANG FUFENG BIOTECHNOLOGIES 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 Fermentation

CAS No. 61-90-5

Packing: 25kg/drum

Batch No.: L2305013

Quantity: 4500kg

Mfg Date: 11/05/2023

Inspection Date: 12/05/2023

Expiry Date: 10/05/2025

Country Of Origin: China

PO /IMP No: 8068027/88145

Items	Limits	Test results
Description	White crystals or crystalline powder	Conforms
Assay	98.5% ~ 101.5%	99.8%
Identification (Infrared Absorption)	Corresponding to Reference Spectrum	Conforms
Mesh Size	/	80mesh
PH	5.5 ~ 7.0	6.51
Specific rotation	+14.9 ° ~ +17.3 °	+15.7
Residue on Ignition	≤0.1%	0.08%
Loss on Drying	≤0.2%	0.11%
Bulk Density	≥0.4g/ml	Conforms
Chloride (Cl)	≤500ppm	< 500ppm
Iron(Fe)	≤30ppm	< 30ppm
Sulfate (SO ₄)	≤300ppm	< 300ppm
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	≤2000cfu/g	< 2000cfu/g
Yeast and Molds	≤100cfu/g	< 100cfu/g
E.Coli	Negative in 10g	Confirms
Staphylococcus Aureus	Negative in 10g	Confirms
Salmonella	Negative in 25g	Confirms
COMPLY WITH THE STANDARD OF USP24		

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