

Certificate Of Analysis

Product Name: L-Isoleucine
Packing: 25kg/drum
Quantity:2000kg
Inspection Date: 2014.02.13
Country Of Origin: China

CAS No. 73-32-5
Batch No.:Y1403003
Mfg Date: 2014.02.12
Expiry Date: 2016.02.11

Items	Limits	Test results
Description	White crystals or crystalline powder	Conforms
Assay	98.5%~101%	99.60%
Identification (Infrared Absorption)	Corresponding to Reference Spectrum	Confirms
pH	5.5~7.0	5.84
Specific rotation	+38.9°~+41.8°	+40.7°
Residue on Ignition	≤0.1%	0.03%
Loss on Drying	≤0.3%	0.08%
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	<400cfu/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.		