

CERTIFICATE OF ANALYSIS

Product Name	L-ISOLEUCINE		
PACKING	25KG/DRUM		
QUANTITY	3000KG		
STANDARD	USP24		
Batch Number	20220516	Manufacture Date	20220516
Report Date	20220516	Expiry Date	20240515

Items	Limits	Test results
Description	White crystals or crystalline powder	Conforms
Identification (IR)	Concordant with the reference spectrum	Conforms
Assay	98.5~101.5%	100.5%
Mesh	80Mesh Passing Rate	98.9%
PH	5.5~7.0	6.28
Specific rotation	+38.9°~+41.8°	+40.1°
Residue on ignition	≤0.30%	0.08%
Loss on drying	≤0.30%	0.2%
Bulk Density	0.33-0.65g/ml	0.56g/ml
Chloride (Cl)	≤0.05%	<0.05%
Iron (Fe)	≤30ppm	<30ppm
Sulfate (SO4)	≤0.03%	<0.03%
Arsenic(As)	≤1.5ppm	<1.5ppm
Heavy metals	≤15ppm	<15ppm
Total plate count	≤1000cfu/g	<1000cfu/g
Yeast and Mold	≤100cfu/g	<100cfu/g
Salmonella	Negative	Negative
E.Coli	Negative	Negative

Conclusion: Passed test according to the Standard of USP24

Storage: Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Shelf Life: 24 months if store under the conditions above and stay in original packaging.

