

CERTIFICATE OF ANALYSIS

Product Name	L-Leucine		
Quantity	3000kgs		
Reference standard	GB 29938/USP30		
Batch Number	20220122	Manufacture Date	20220122
Report Date	20220122	Expiry Date	20240121

Item of Analysis	Specification	Results
Specification rotation[a]D20°	+14.9°~+17.3°	+15.5°
Loss on Drying	Not more than 0.20% ≤0.20%	≤0.20%
Residue on ignition	Not more than 0.40% ≤0.40%	≤0.1%
Chloride(Cl)	Not more than 500ppm ≤500ppm	≤300ppm
Sulfate	Not more than 300ppm ≤300ppm	<200ppm
Ammonium (NH4)	Not more than 0.020% ≤0.020%	≤0.020%
Iron(Fe)	Not more than 30ppm ≤30ppm	≤10ppm
Heavy Metals(Pb)	Not more than 15 ppm ≤15ppm	≤5ppm
Assay	98.5~101.5%	99.5%
Conclusion: The above specifications meet the requirements of GB 29938/USP30		

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.