

BaseBulk

CERTIFICATE OF ANALYSIS

Product name	L-Histidine
CAS No.	71-00-1
Batch / Lot number	HS2411005
Mfg Date	2024.11.05
Inspection Date	2024.11.06
Expiry Date	2027.11.04
Country of Origin	China
Sourcing	Vegetarian Origin

Physical & Chemical Characteristics

Analysis Item	Specification	Result
Appearance	White to slightly yellow crystal or crystalline powder	Conforms
Assay	≥98.5%	99.8%
pH	7.0–8.5	7.86
Specific Rotation	+12.6°–+14.0°	+12.8°
Loss on Drying	≤0.2%	0.10%
Residue on Ignition	≤0.4%	0.11%
Chloride	≤0.05%	<0.05%
Sulfate	≤0.03%	<0.03%
Iron	≤30 ppm	<30 ppm

Heavy Metals

Analysis Item	Specification	Result
Heavy Metal (as Lead)	≤15 mg/kg	Conform
Lead	≤3 ppm	<3 ppm
Arsenic	≤1 ppm	<1 ppm
Cadmium	≤1 ppm	<1 ppm
Mercury	≤0.1 ppm	<0.1 ppm

Microbiological Tests

Analysis Item	Specification	Result
Total Plate Count	≤1000 CFU/g	<1000 CFU/g
Yeast and Mold	≤100 CFU/g	<100 CFU/g
E. coli	Negative/10 g	Conforms
Salmonella	Negative/10 g	Conforms