

Product Name: L-Tryptophan

Cat #: T-115

CAS #: 73-22-3

Lot #: Lot Specific

Retest Date[†]: Lot Specific

Storage: Store at room temperature.

Test	Specs	Results
Color	white to light yellow	Complies
Form	crystalline powder	Complies
Color of Solution (1% in 1 mol/L HCI)	colorless to almost colorless	Complies
Turbidity (1% in 1 mol/L HCI)	≤4.0 NTU	Complies
Water Content (K. Fischer)	≤0.3%	Complies
Loss on Drying (105°C, 3 h)	≤0.3%	Complies
Purity (HPLC)	≥98.0 area-%	Complies
Perchloric Acid Titration (0.1 mol/L)	98.5 to 101.5%	100.2%
pH-Value (1% in water)	5.5 to 7.0	Complies
Specific Optical Rotation [alpha]D (c = 1 in water, 20°C)	-32.8 to -29.4	Complies
Sulfated Ash	≤0.1%	Complies
Iron Traces (tested with visicolor® test kit)	≤30 mg/kg	Complies

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† If provided, the Certificate of Analysis (COA) retest date corresponds to the recommended storage conditions provided on the COA. If no retest date is shown, the shelf-life for products is 2 years after purchase when stored according to COA recommendations. Retest dates are not rigid, and often only serve an informational purpose. COA retest dates are supplied by the manufacturer; however, GoldBio product labels may contain different storage recommendations to extend the life of the product beyond the manufacturer retest date or 2 years from purchase.

Gold Biotechnology, Inc.

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Test	Specs	Results
Heavy Metals as Pb (color reaction with thioacetamide)	≤10 mg/kg	Complies
Chloride Traces (IC)	≤500 mg/kg	Complies
Sulfate Traces (IC)	≤300 mg/kg	Complies
FT-IR Spectrum	corresponds to reference spectrum	Complies

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