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Certificate of Analysis

Product Name L-Tryptophan
Glentham Code GM0674
CAS Number 73-22-3
EINECS 200-795-6
MDL Number MFCD00064340
PubChem SID 310281481
Batch Number 982EZF

OH NH₂

Specification Batch 982EZF Property Physical Description White to off-white powder White powder Identification (IR) To conform to standard Conforms 5.5 - 7.0 5.96 pH (1% in water) Specific Optical Rotation ([α]25/D) -29.4 - -32.8 ° (10mg/ml, water) -30.9° ≤ 0.3% (105°C, 3h) 0.05% Loss on Drying Residue on Ignition ≤ 0.1% 0.05% Lead (Pb) ≤ 3ppm Conforms Conforms Arsenic (As) ≤ 1ppm Cadmium (Cd) ≤ 1ppm Conforms Mercury (Hg) Conforms ≤ 0.1ppm ≤ 0.05% ≤ 0.02% Chloride Sulphate ≤ 0.03% ≤ 0.03% Iron (Fe) ≤ 30ppm ≤ 30ppm **Heavy Metals** ≤ 15ppm Conforms Organic Impurities ≤ 0.01% of total impurites prior to peak and ≤ Conforms 0.03% of total impurities after peak Related Compound A Conforms To pass test 98.5 - 101.5 % (dried basis) 99.23% Conforms Pharmacopoeia Specification(s)

Specification Version v1.2

Manufacture Date 2022-02-23

Re-Test Date 2030-07-05

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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