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Certificate of Analysis

Product Name L-Tryptophan, GlenCell™, suitable for

cell culture

 Glentham Code
 GM0192

 CAS Number
 73-22-3

 EINECS
 200-795-6

 MDL Number
 MFCD00064340

Batch Number 8710VB

OH NH₂

Property Specification Batch 8710VB Physical Description White to light yellow crystals or crystalline White crystalline powder powder Identification (IR) To conform to standard Conforms Solubility Sparingly soluble in water, slightly soluble in Conforms Clear, colourless solution Solubility (1% in 1M HCI) Clear, colourless to yellow solution Transmittance ≥ 95.0% (2.5% in water, 430nm, 10mm cell) Conforms -31.8° Specific Optical Rotation -30.5 - -32.5 ° (C=1, H2O) Chloride (CI) ≤ 0.02% Conforms Ammonium (NH4) ≤ 0.02% ≤ 0.005% Sulphate (SO4) ≤ 0.02% Conforms Iron (Fe) Conforms ≤ 10ppm Heavy Metals (as Pb) ≤ 10ppm ≤ 5ppm Arsenic (As2O3) Conforms ≤ 1ppm Related Substances To pass test Conforms Loss on Drying ≤ 0.2% 0.0% ≤ 0.1% Sulphated Ash 0.02% рΗ 5.5 - 6.4 (1% in water) 6.1 **Endotoxins** ≤ 6.0EU/g Conforms 99.0 - 101.0 % 100.2% Assay USP, EP Conforms Pharmacopoeia Specification(s)

Specification Version v1.0

Manufacture Date 2021-02-10

Re-Test Date 2032-07-18

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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