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Product Specification

 Product Name
 L-Tryptophan

 Glentham Code
 GM0674

 CAS Number
 73-22-3

 EINECS
 200-795-6

 MDL Number
 MFCD00064340

 PubChem SID
 310281481

 Molecular Weight
 204.23

 $\begin{array}{lll} \mbox{Molecular Weight} & 204.23 \\ \mbox{Molecular Formula} & \mbox{C}_{11}\mbox{H}_{12}\mbox{N}_2\mbox{O}_2 \\ \mbox{Storage Temp.} & +20\mbox{°C} \end{array}$

OH NH₂

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

Specification Version - v1.2

Date Created - 2020-01-02

Pharmacopoeia Specification(s)

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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