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Product Specification

Product Name

L-Glutamine, GlenCell™, suitable for cell culture

Glentham Code

GM8887

CAS Number

56-85-9

EINECS

200-292-1

EINECS 200-292-1 MDL-Nummer MFCD00008044

 $\begin{array}{lll} \mbox{Molecular Weight} & \mbox{146.15} \\ \mbox{Molecular Formula} & \mbox{C}_5\mbox{H}_{10}\mbox{N}_2\mbox{O}_3 \\ \mbox{Storage Temp.} & \mbox{+}20\mbox{°C} \end{array}$

$$H_2N$$
 OH OH

Property Specification Physical Description White crystals or crystalline powder Identification To pass test Solubility Freely soluble in formic acid, soluble in water, practically insoluble in ethanol Solubility (2.5% in water) Clear, colourless solution ≥ 98.0% Transmittance +6.3 - +7.3 ° Specific Optical Rotation рΗ 4.5 - 6.0 Iron (Fe) ≤ 10ppm Heavy Metals (as Pb) ≤ 5ppm Arsenic (As2O3) ≤ 1ppm Related Substances ≤ 0.5% Loss on Drying ≤ 0.2% Sulphated Ash ≤ 0.1% Chloride (CI) ≤ 0.02% Sulphate (SO4) ≤ 0.02% Endotoxins ≤ 50EU/g 99.0 - 101.0 % (dried basis) Assay Origin Non-animal origin Pharmacopoeia Specification(s) EP, USP

Specification Version - v1.0

Date Created - 2016-03-18

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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