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Certificate of Analysis

Product Name
L-Glutamine, USP grade, non-animal origin

Glentham Code
GM2001

CAS Number
56-85-9

EINECS
200-292-1

MDL Number
MFCD00008044

897FOK

Molecular Weight 146.15

Batch Number

Molecular Weight 146.15

Molecular Formula $C_5H_{10}N_2O_3$ Storage Temp. +20°C

$$H_2N$$
 OH NH_2

Property Specification Batch 897FOK Physical Description Conforms White powder Identification (IR) Conforms To conform to standard Solubility (2.5% in water) Clear, colourless solution Conforms Specific Optical Rotation ([α]20/D) +6.3 - +7.3 ° +6.5° Conforms Iron (Fe) ≤ 10ppm Heavy Metals ≤ 10ppm Conforms Chloride ≤ 0.05% ≤ 0.02% Sulphate ≤ 0.03% ≤ 0.02% Residue on Ignition ≤ 0.1% 0.04% ≤ 0.3% (105°C, 3h) Loss on Drying 0.02% 99.0 - 101.0 % (dried basis) 99.6% Assay Pharmacopoeia Specification(s) Conforms Conforms Origin Fermentation from microbial source (non-animal origin)

Specification Version v1.0

Manufacture Date 2021-01-27

Re-Test Date 2030-06-20

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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