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Specification

Technical Data Sheet

CAS	STORAGE	MOLECULAR WEIGHT
56-85-9	**Ambient**	**146.14**

PRODUCT

L-Glutamine - tested to USP specifications

Product number	90037159
CAS number	56-85-9
Molecular formula	H2NCOCH2CH2CH(NH2)CO2H
Molecular weight	146.14 g/mol

PARAMETER	SPECIFICATION
Appearance	White crystals or crystalline powder
Assay	99.5 to 101.5%
Grade	conforms to USP Specification
Loss on Drying	≤ 0.3%
Specific rotation	+6.3 to +7.3°C
Chloride (Cl-)	≤ 0.05%
Heavy Metals (Pb)	≤ 15ppm
Iron (Fe)	≤ 30ppm
Residue on Ignition	≤ 0.3%
Solubility in water	Forms a clear, colourless solution
Identification (IR)	Conforms to structure
Sulphates (SO4)(2-)	≤ 0.03%

SPECIFICATION STATEMENT	The values stated above represent the standard specification for this product, issued under **Molekula Ltd**'s quality management system. Batch-specific results are provided on the Certificate of Analysis.
STORAGE	Store as indicated on the product label, away from light, moisture and incompatible materials.

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Molekula Ltd would like to thank you for your support of our products and service.

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