

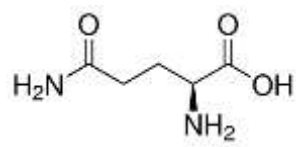


Product Specification

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L-GLUTAMINE FOR BIOCHEMISTRY

PRODUCT CODE	105395
SYNONYMS	--
C.I. NO.	--
CASR NO.	56-85-9
ATOMIC OR MOLECULAR FORMULA	C₅H₁₀N₂O₃
ATOMIC OR MOLECULAR WEIGHT	146.15
PROPERTIES	--



PARAMETER	LIMIT
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Description	White crystalline powder.
Solubility	4% solution in water is clear to slightly hazy.
Minimum assay (Non aqueous, dried)	98.0%
Melting range	~185°C (dec.)
pH (2.5% in water at 25°C)	4.00 - 6.00
Specific rotation $[\alpha]_D^{20}$ (C=2,5 N HCl)	+31.5° to +32.5°

MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 110°C	0.5%
Sulphated ash	0.1%
Iron (Fe)	0.001%
Lead (Pb)	0.001%

Note(s) : Assay (if applicable) method mentioned.

WARNING Hazard statements: Not hazardous. No hazards. Precautionary statements Prevention: ----- Response: ----- Disposal: -----	IMDG Code : -- UN No. : -- IATA : --
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Hazard Pictogram(s) :-

Replace date 30-Apr-2026