



Specification

L-Glutamine

CAS Number: 56-85-9
Molecular Formula: C₅H₁₀N₂O₃
Molecular Weight: 146.14
Storage: 15°C - 30°C

Test	Specification
Appearance:	White crystals or crystalline powder
Assay (Titration, dried basis):	≥ 99.0 %
Identification (IR):	Conforms to known structure
Heavy Metals (as Pb):	≤ 15 ppm
Specific Rotation:	+6.3 - +7.3 °
Solution:	Clear and colorless
Sulfate:	≤ 0.03 %
Iron (Fe):	≤ 30 ppm
Chloride (Cl):	≤ 0.05 %
Loss on Drying:	≤ 0.30 %
Residue on Ignition:	≤ 0.30 %
Chromatographic Purity:	≤ 0.5 %

Approved:

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