

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com Email USA: techserv@sial.com Outside USA: eurtechserv@sial.com

Product Specification

Product Name: L-Glutamine -

Product Number: G5792 CAS Number: 56-85-9

Formula: C5H10N2O3 Formula Weight: 146.14 g/mol

TEST Specification

Appearance (Color) White
Appearance (Form) Powder

Solubility (Turbidity)

Clear

0.5 g to 20 mL of water

Solubility (Color) Colorless

0.5 g to 20 mL of water

Solubility (Form) Solution

0.5 g to 20 mL of water

 Identification (USP)
 Pass

 Iron (Fe)
 ≤ 10 ppm

 Image: Part of (USP)
 ≥ 20 %

Chloride < 0.020 %
Cytotoxicity Pass

1.0 g in 50 mL water
Endotoxin Assay ≤ 1 EU/mg

Related Compounds Pass
Residual Solvents Meets Requirements

Residue on Ignition \leq 0.10 % Arsenic (As) \leq 1.0 ppm Specific Rotation 31.5 - 33.0 °

c = 10, 2 N HCl, 20°C

рΗ

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

4.5 - 6.0





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Specific Rotation (USP) 6.3 - 7.3 °

c = 4, aqueous, dried basis, 20°C Sulfate (SO4) < 0.020 %

Origin Non-Animal Source

Specification: PRD.2.ZQ5.10000050953

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