



ISO 13485:2016 Certified | GMP Certified

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SPECIFICATION SHEET

PRODUCT: L-GLUTAMINE 200 mM (100X) SOLUTION

29.2 mg/mL L-Glutamine in 0.85% NaCl

Sterile Filtered 0.2µ

Catalog Number: L1009

PRODUCT FORMULATION

L1009

L-Glutamine 200 mM (100X) Solution

Components	mg/Liter
Sodium Chloride (NaCl)	8500.000
L-Glutamine (C ₅ H ₁₀ N ₂ O ₃)	29200.00
R.O. Deionized Water	Q.S.

References: *Eagle, H., 1955, Science, 122:501*
Eagle, H., 1955, Proc. Soc. Exp. Biol. Med., 89:362
Morton, H.J., 1970, In Vitro, 6:89

ASSAY:

SPECIFICATION:

Appearance	Clear colorless solution
pH	4.9 - 5.3
Osmolality	440 - 480 mOsm/kg
Endotoxin	≤1.25 EU/mL
Sterility per 9 CFR 113.26	
Fungal	NEGATIVE
Bacterial	NEGATIVE
Cytotoxicity	Non-Toxic

Minimum Recommended Expiration Date: [2 years from date of manufacturing]

Storage: -10° to -40°C

Approved by:

4/27/2020

Quality and Compliance Manager

Date

Customer Representative

Date

Not for Human or Animal Consumption.

For Further Manufacturing Use Only.