

Technical Information

L-Glutamine (From Non-Animal Source)
Meets USP 41-NF 36 and JP 17 testing specifications
Cell Culture Tested

Product Code:TC1243M

Product Information

Product Code	: TC1243M
Product Name	: L-Glutamine (From Non-Animal Source) Meets USP 41-NF 36 and JP 17 testing Specifications, Cell Culture Tested
Synonym	: (S)-2, 5-Diamino-5-oxopentanoic acid, L-Glutamic acid 5-amide
Molecular Formula	: C ₅ H ₁₀ N ₂ O ₃
Molecular Weight	: 146.14
CAS No.	: 56-85-9

Technical Specification

Appearance	: White odorless crystalline powder having a slightly sweet taste.
Solubility	: Soluble in water.
Minimum assay (On dry basis)	: 99.00 %
pH (2.5% in water at 25°C)	: 4.00 - 6.00
Specific rotation (α) C=4 in water at 20°C	: +6.3° to +7.3°
Ninhydrin Positive Substances	: Conforms
Residual Solvents USP467	: Absent
Loss on drying (at 80°C for 3 hours)	: ≤ 0.2%
Residue on ignition (as sulphate)	: ≤ 0.1%
Ammonium (NH ₄)	: ≤ 0.1%
Chloride (Cl)	: ≤ 0.02%
Sulphate (SO ₄)	: ≤ 0.02%
Iron (Fe)	: ≤ 0.001%
Arsenic (As)	: ≤ 0.001%
Heavy metals (as Pb)	: ≤ 0.001%
Cell Culture Test	: Passes test

Risk And Safety Information

WGK	: --
RTECS	: --
Storage Temperature(°C)	: Store below 30°C

Transport Information

Marine Pollutant	: No
ADR/RID	: Not Dangerous Goods
IMDG	: Not Dangerous Goods
IATA	: Not Dangerous Goods

**Animal Cell
Culture Tested**



Product Specification

cdhfinechemical.com

Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
- The product conforms solely to the technical information provided in this booklet and to the best of knowledge research and development work carried at **CDH** is true and accurate.
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