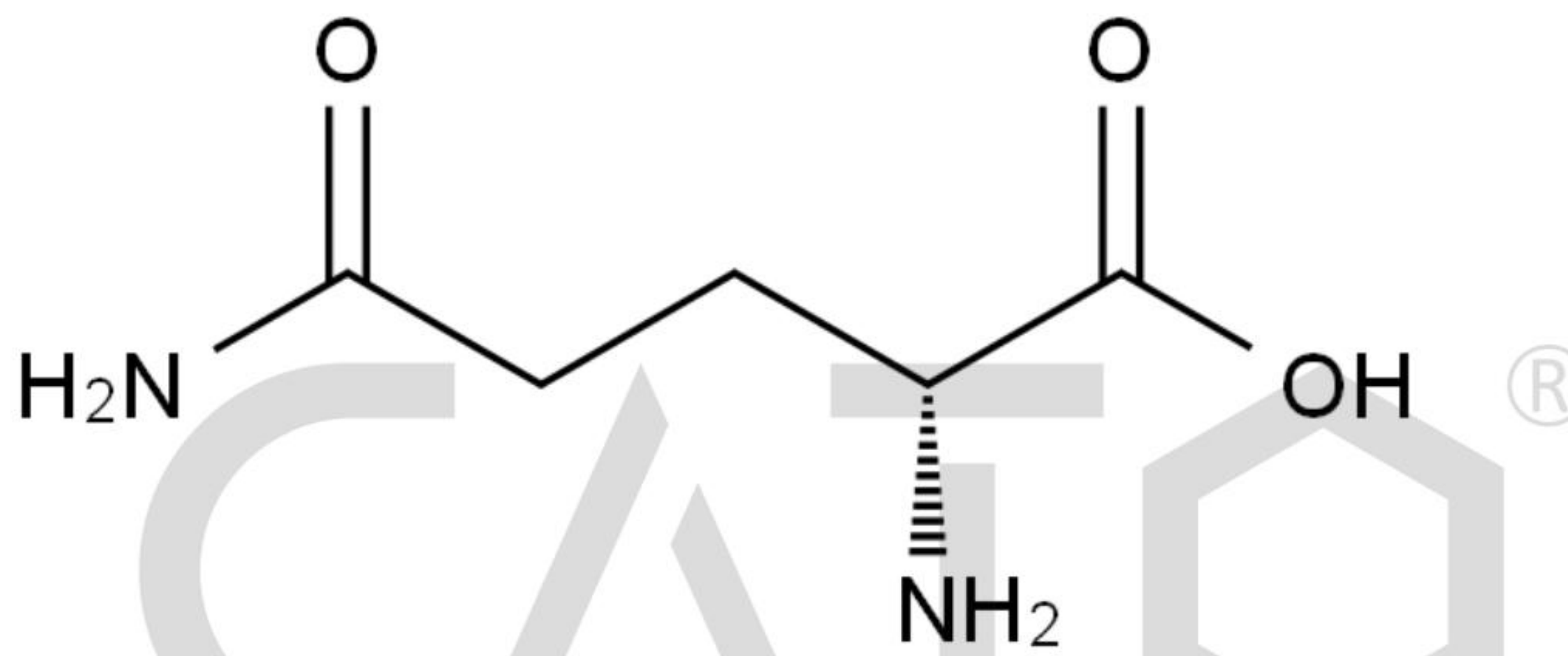


Certificate of Analysis

Reference Material & Standard

Product Name:	D-Glutamine	Catalogue Number:	C4X-19748
Synonyms:	N/A	Lot Number:	1022-RF-0038
CAS Number:	5959-95-5	Expiry Date:	Oct 28, 2027
Molecular Formula:	C ₅ H ₁₀ N ₂ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	146.14	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	ELSD	99.9717%
Loss On Drying	TGA	0.0379%
Assay		99.9%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss On Drying) * Purity ELSD (%) / 100%

Loss On Drying is considered as absolute effect, ELSD purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Oct 29, 2024

Date: Oct 29, 2024

Date: Oct 29, 2024

