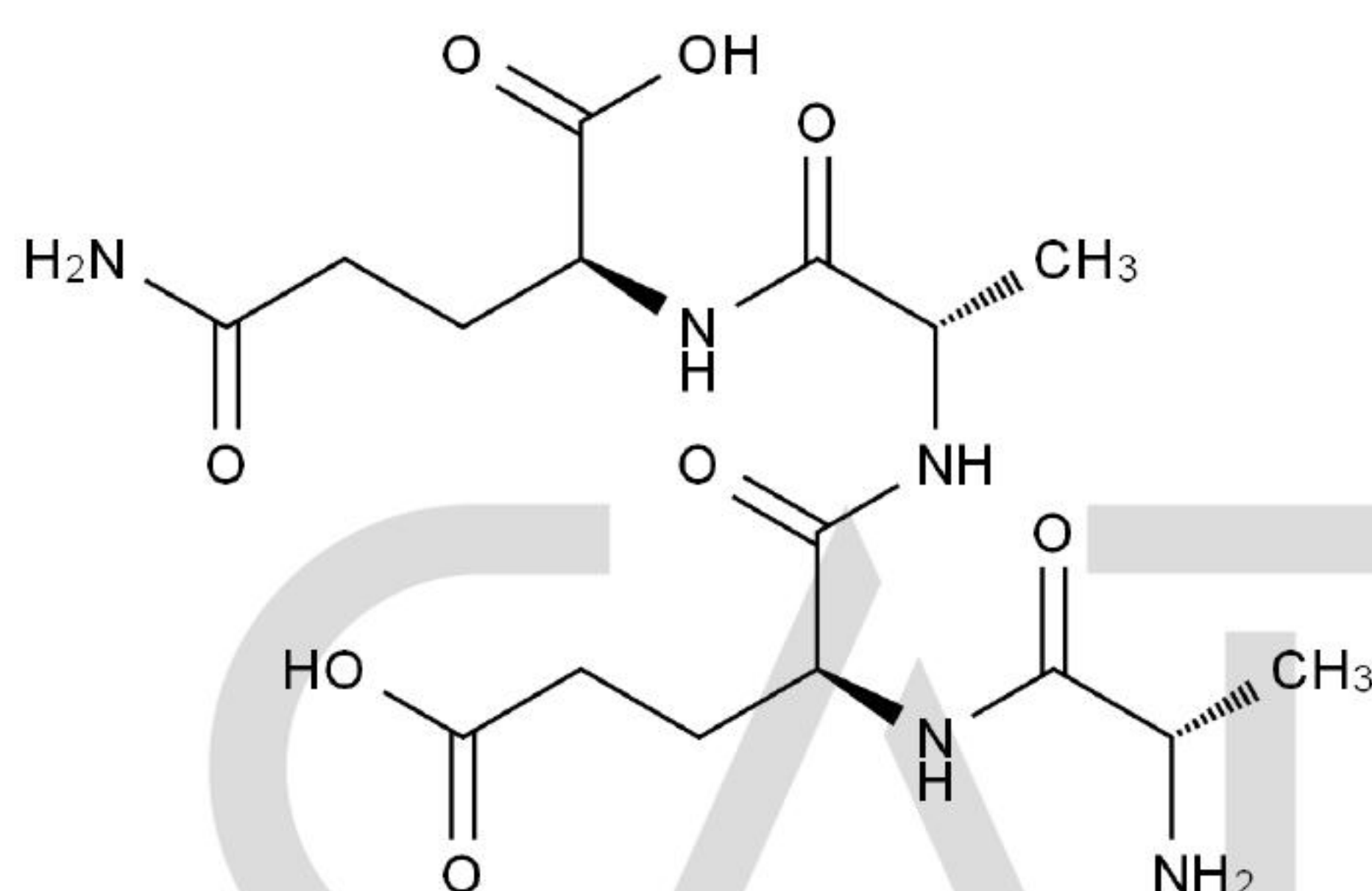


Certificate of Analysis

Reference Material & Standard

Product Name:	Alanyl Glutamine Impurity 14	Catalogue Number:	C4X-197414
Synonyms:	N/A	Lot Number:	0718-RG-0003
CAS Number:	1402135-14-1	Expiry Date:	Jul 21, 2029
Molecular Formula:	C ₁₆ H ₂₇ N ₅ O ₈	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	417.41	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.41%
Loss On Drying	TGA	2.1200%
Assay		97.3%

Comment:

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

$\text{Assay (\%)} = (100\% - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$

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

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Jul 22, 2025

Date: Jul 22, 2025

Date: Jul 22, 2025

