

Certificate of Analysis

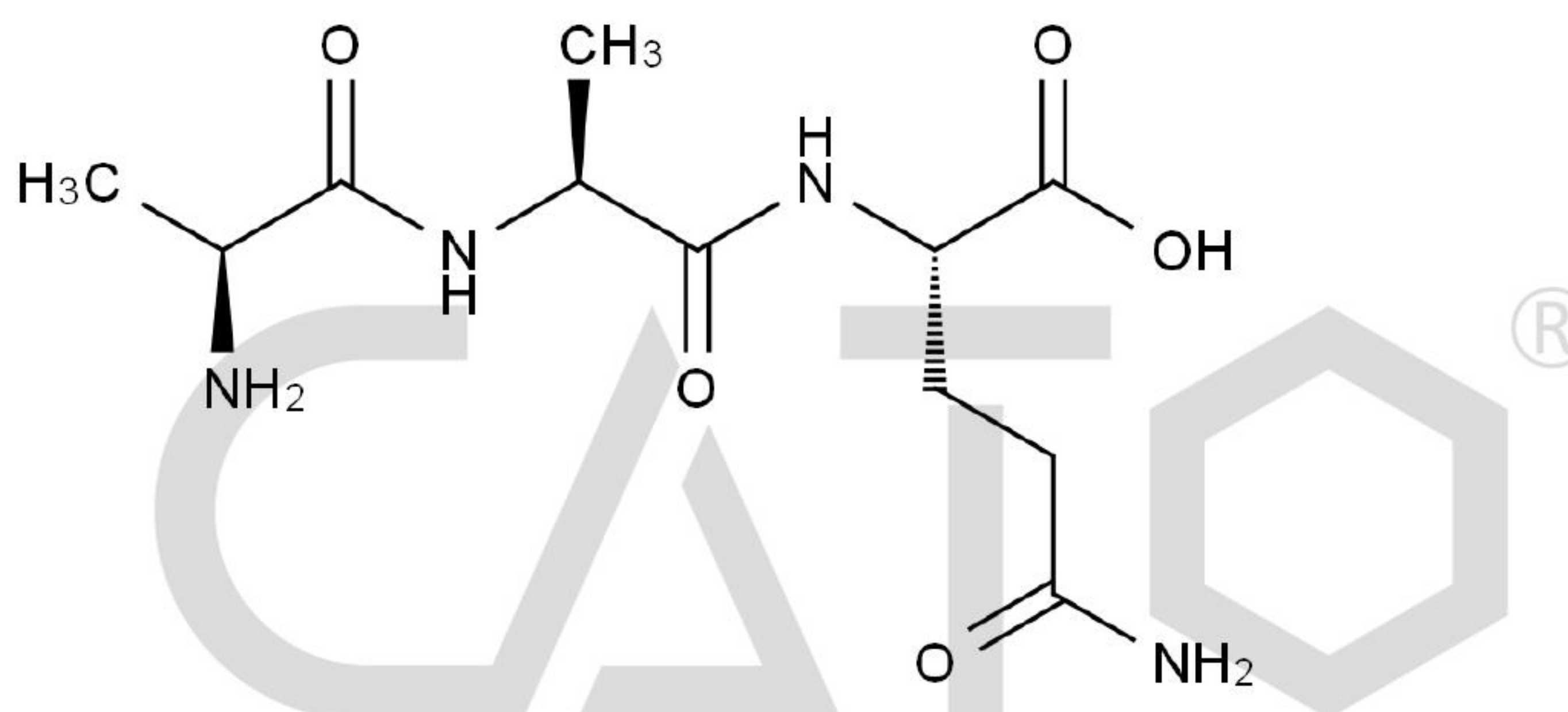
Reference Material & Standard

Product Name:	Alanyl Glutamine Impurity 30	Catalogue Number:	C4X-197430
Synonyms:	L-alanyl-L-alanyl-L-glutamine	Lot Number:	0520-RH-0057
CAS Number:	290312-62-8	Expiry Date:	May 25, 2030
Molecular Formula:	C ₁₁ H ₂₀ N ₄ O ₅	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	288.30	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	ELSD	99.797%
Loss on Drying	TGA	1.0403%
Assay		98.8%

Comment:

The calculation of the mass balance 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:

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Approved by General Manager:

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Date: May 26, 2026

Date: May 27, 2026

Date: May 27, 2026



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