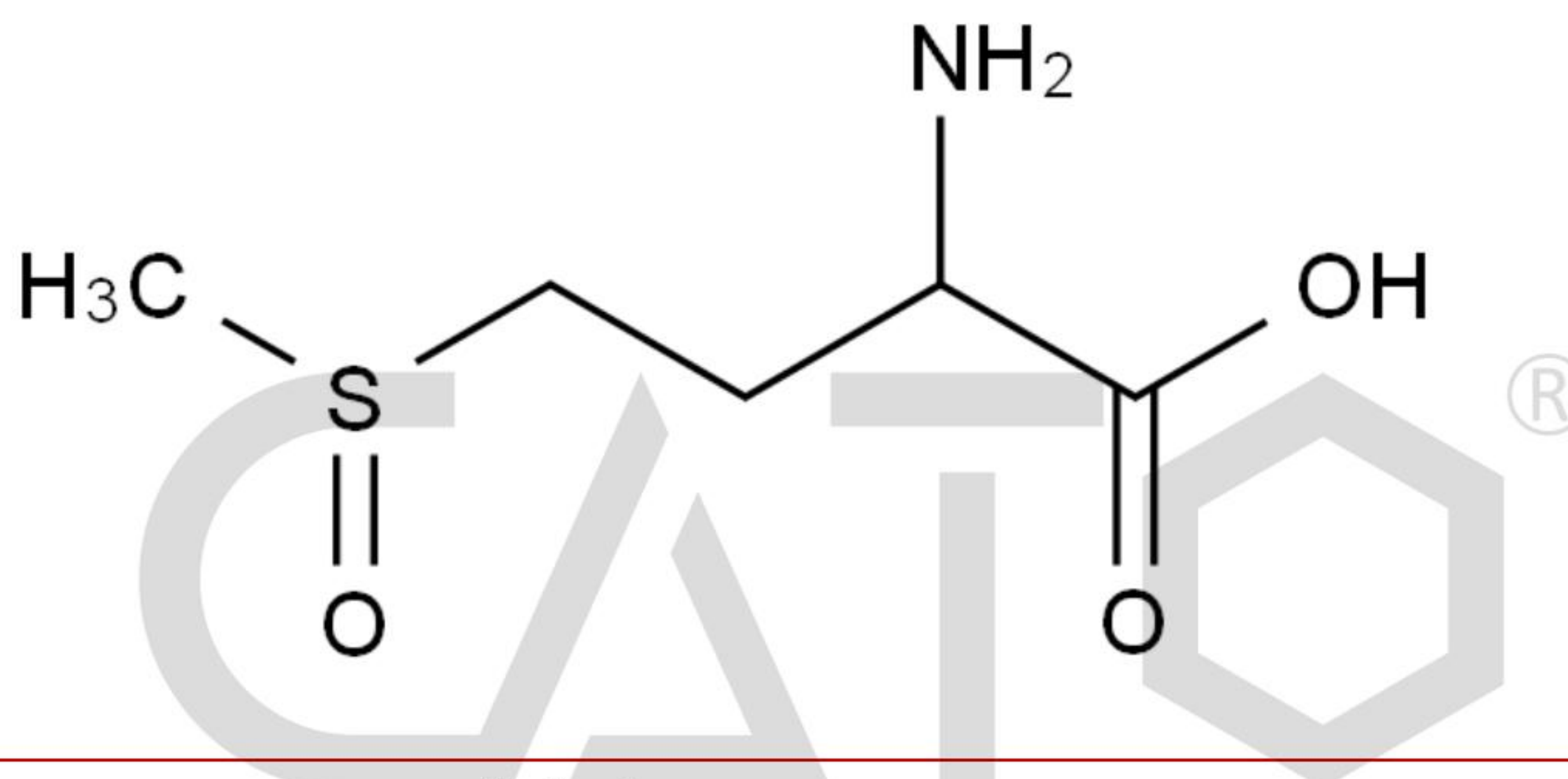


Certificate of Analysis

Reference Material & Standard

Product Name:	Tryptophan Impurity 23	Catalogue Number:	C4X-137323
Synonyms:	DL-Methionine Sulfoxide	Lot Number:	0223-RC-0078
CAS Number:	62697-73-8	Expiry Date:	Nov 21, 2027
Molecular Formula:	C ₅ H ₁₁ NO ₃ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	165.21	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	ELSD	99.530%
Loss On Drying	TGA	0.0831%
Assay		99.4%

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:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Nov 22, 2024

Date: Nov 25, 2024

Date: Nov 25, 2024

