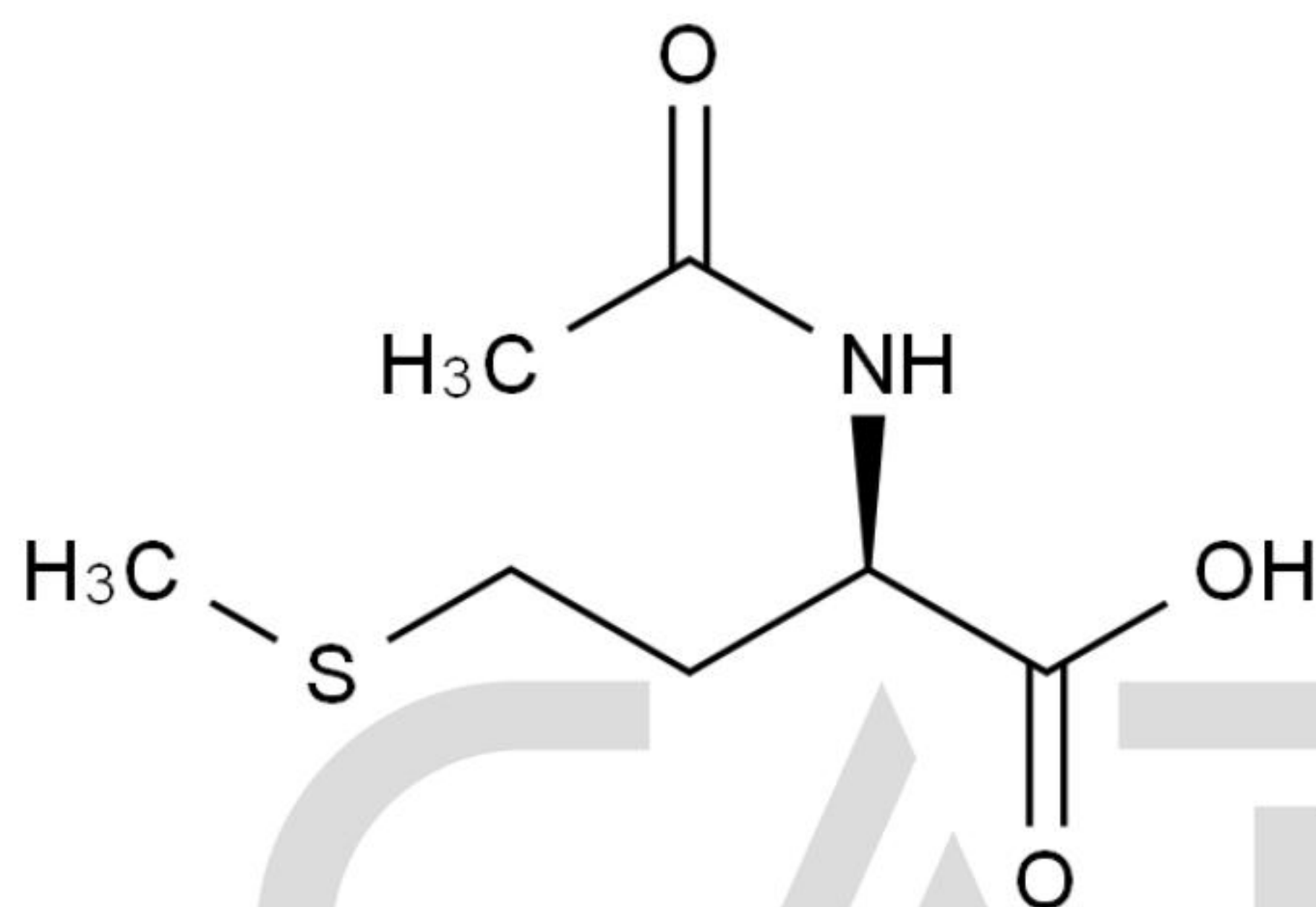


Certificate of Analysis

Reference Material

Product Name:	Methionine Impurity 1	Catalogue Number:	C4X-18271
Chemical Name:	N/A	Lot Number:	0112-RE-0004
CAS Number:	1509-92-8	Expiry Date:	Jan 31, 2026
Molecular Formula:	C7H13NO3S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	191.25		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Crystalline Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	100.000%
Loss On Drying	TGA	0.0423%
Assay		100.0%

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:

Hin lam

Reviewed by:

Nacy

Aporoved by General manager:

David

Date: May 16, 2023

Date: May 17, 2023

Date: May 17, 2023

