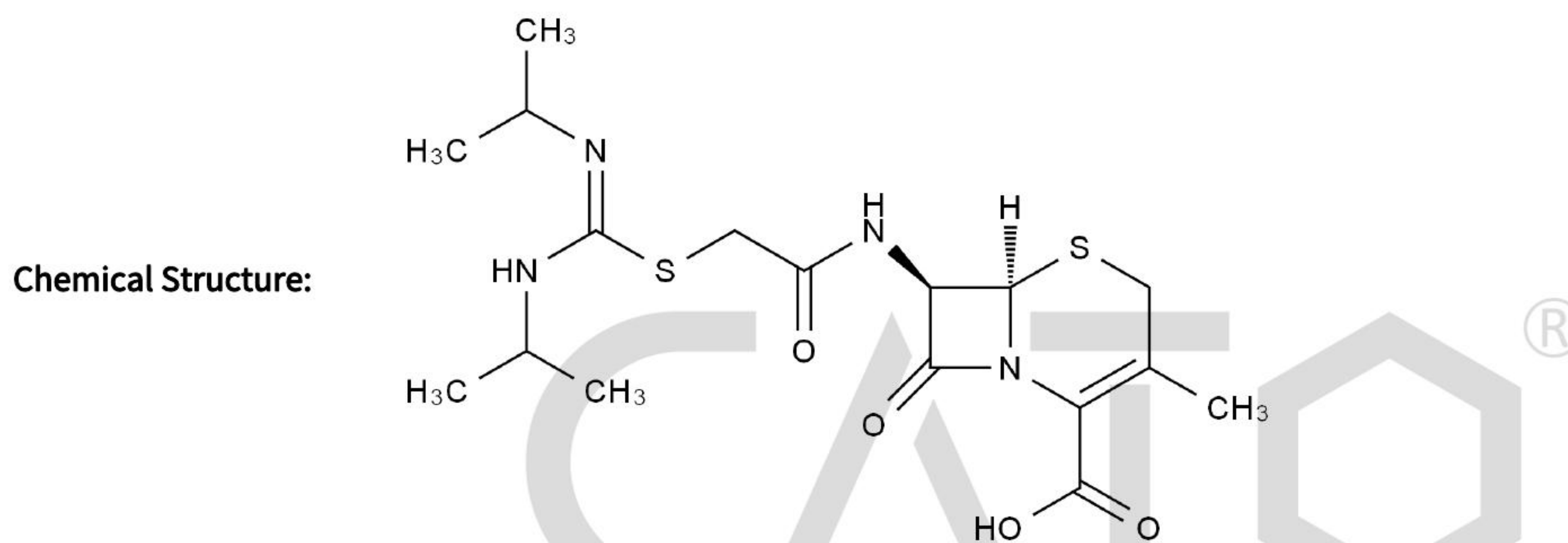


Certificate of Analysis

Reference Material & Standard

Product Name:	Cefathiamidine Impurity 3	Catalogue Number:	C4X-13373
Synonyms:	N/A	Lot Number:	0702-RG-0052
CAS Number:	1417570-09-2	Expiry Date:	Jul 03, 2028
Molecular Formula:	C ₁₇ H ₂₆ N ₄ O ₄ S ₂	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	414.54		



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	98.22%
Residue on Ignition	TGA	1.7737%
Loss On Drying	TGA	3.6557%
Assay		92.9%

Comment:

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

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

Residue on Ignition and Loss On Drying are 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 04, 2025

Date: Jul 04, 2025

Date: Jul 04, 2025

