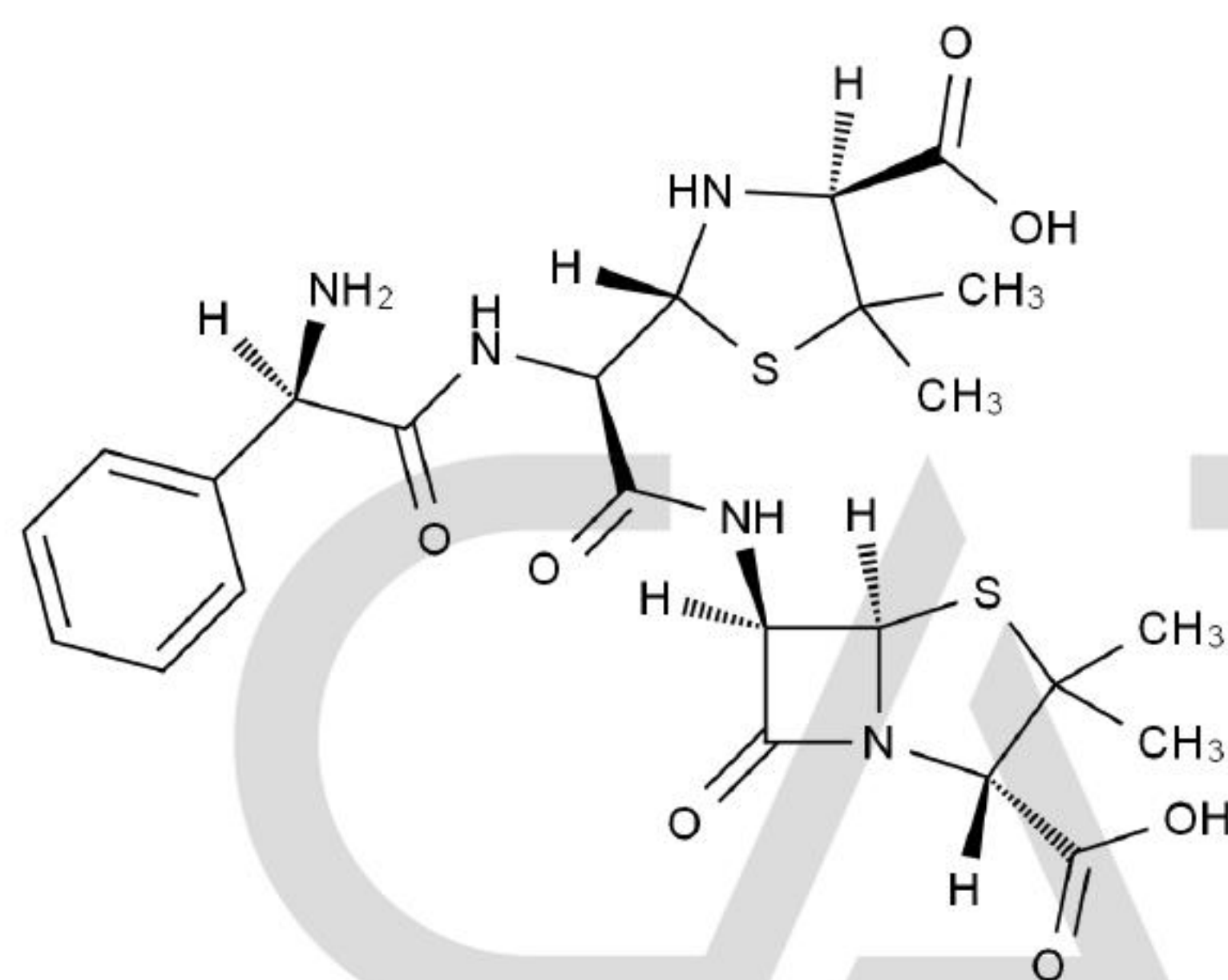


Certificate of Analysis

Reference Material & Standard

Product Name:	Ampicillin Impurity 31	Catalogue Number:	C4X-144331
Synonyms:	N/A	Lot Number:	0922-RE-0105
CAS Number:	N/A	Expiry Date:	Oct 07, 2026
Molecular Formula:	C ₂₄ H ₃₁ N ₅ O ₇ S ₂	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	565.66	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	76.074%
Loss on Drying	TGA	2.9242%
Assay		73.8%

Comment:

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

Assay (%) = (100% - Loss on Drying) * Purity HPLC (%) / 100%

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

Signature:

Prepared by:

Nice

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Oct 08, 2023

Date: Oct 08, 2023

Date: Oct 08, 2023



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