

Certificate of Analysis

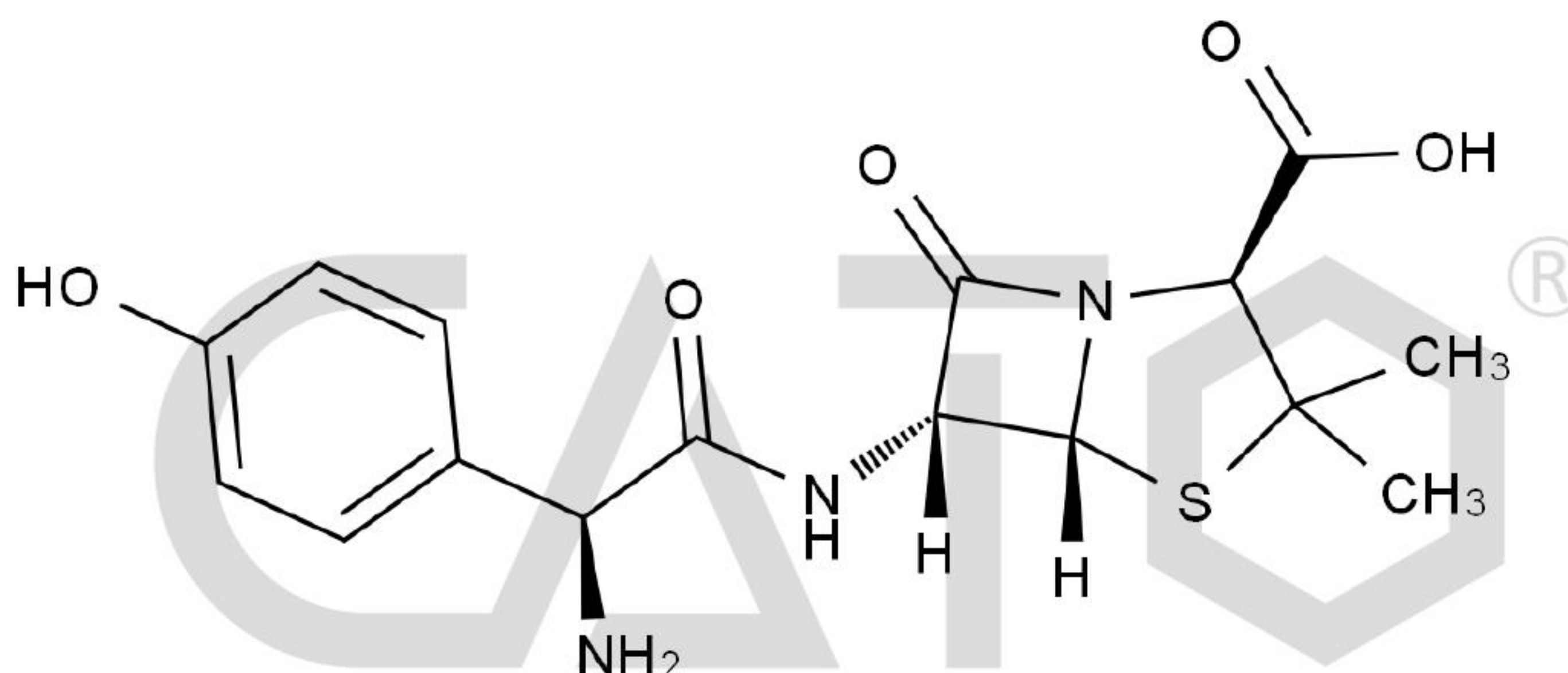
Reference Material & Standard

Product Name:	Amoxicillin EP impurity B	Catalogue Number:	C4X-11483
Synonyms:	Amoxicillin Related Compound B	Lot Number:	0122-RG-0098
CAS Number:	26889-93-0	Expiry Date:	Jan 21, 2028
Molecular Formula:	C ₁₆ H ₁₉ N ₃ O ₅ S	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	365.40		

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	96.863%
Residue on Ignition	TGA	0.7678%
Loss on Drying	TGA	3.3738%
Assay		92.9%

Comment:

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

Assay (%) = (100% - Residue on Ignition - Loss on Drying) * 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:

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Reviewed by:

Lisa

Approved by General Manager:

David

Date: Jan 23, 2025

Date: Jan 24, 2025

Date: Jan 24, 2025



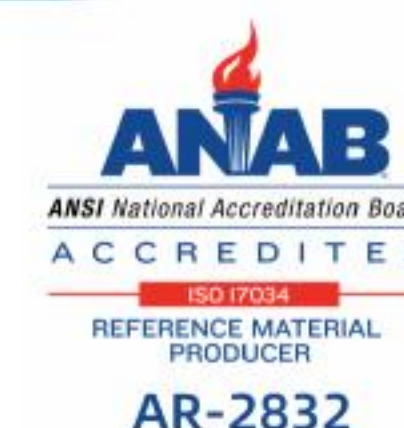
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