

Certificate of Analysis

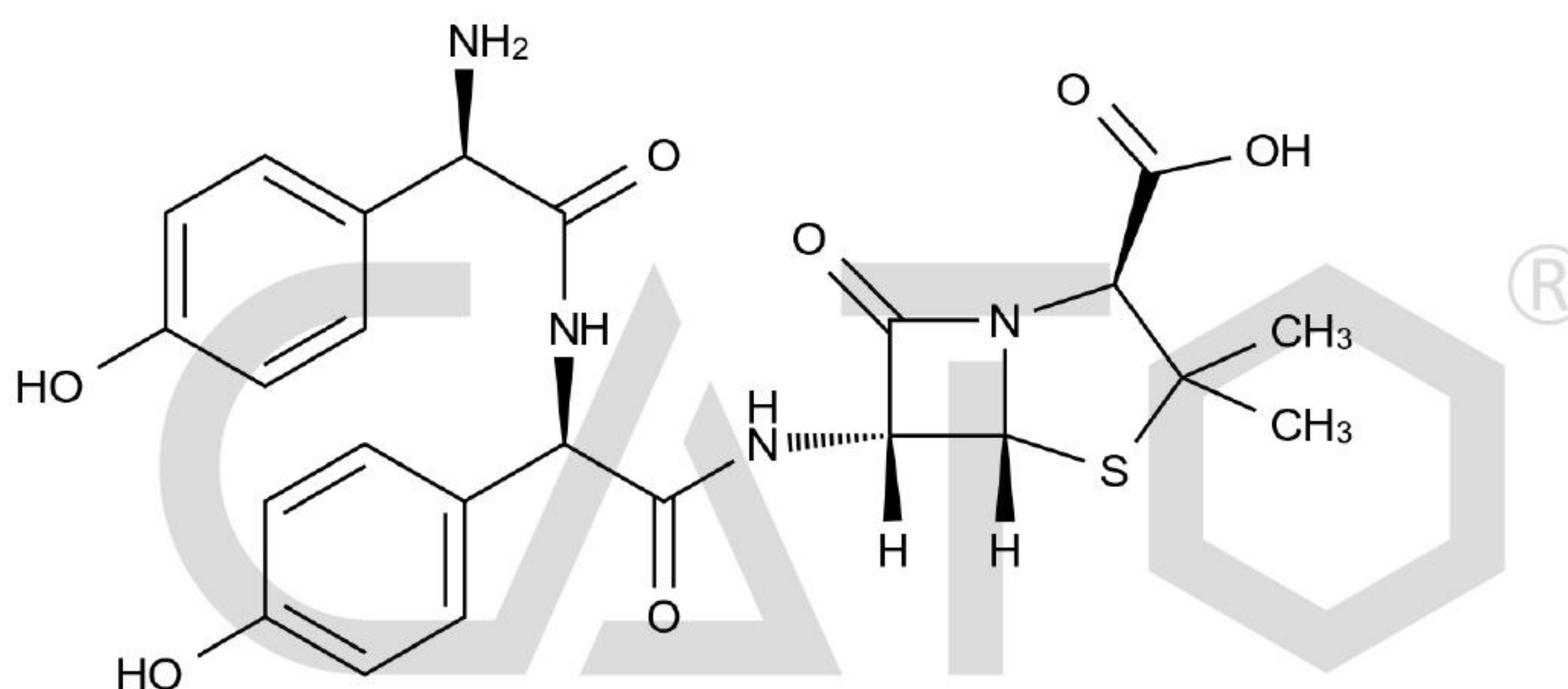
Reference Material & Standard

Product Name:	Amoxicillin EP Impurity G	Catalogue Number:	C4X-11487
Synonyms:	Amoxicillin Related Compound G	Lot Number:	0630-RH-0039
CAS Number:	188112-75-6	Expiry Date:	Jun 29, 2030
Molecular Formula:	C ₂₄ H ₂₆ N ₄ O ₇ S	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	514.55	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.384%
Residue on Ignition	TGA	1.1896%
Loss on Drying	TGA	3.9837%
Assay		92.3%

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:

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Date: Jul 06, 2026

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Date: Jul 07, 2026



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