

Certificate of Analysis

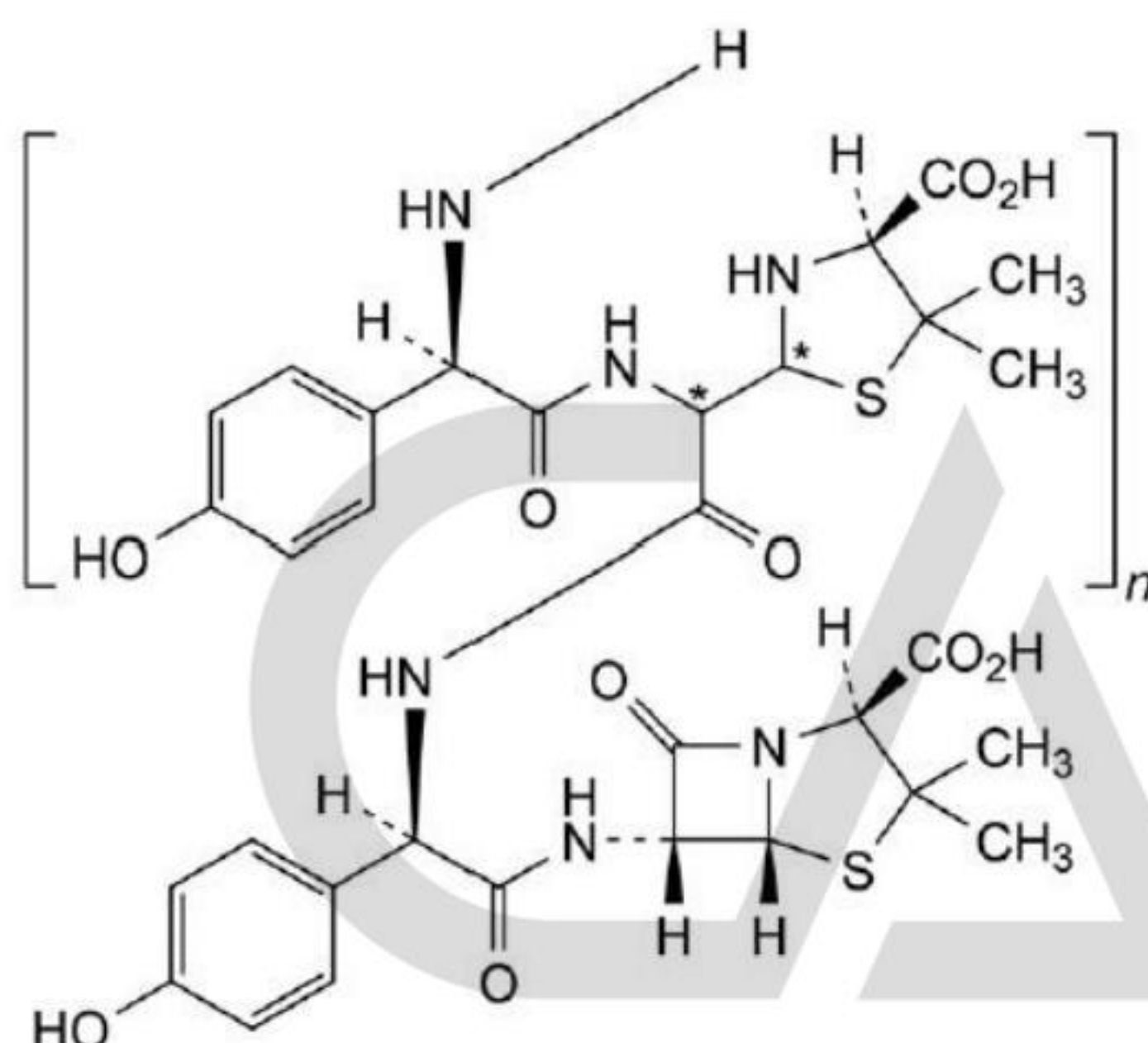
Reference Material & Standard

Product Name:	Amoxicillin EP Impurity J(Mixture)	Catalogue Number:	C4X-11489
Synonyms:	N/A	Lot Number:	1201-RG-0044
CAS Number:	73590-06-4	Expiry Date:	Nov 27, 2029
Molecular Formula:	C ₃₂ H ₃₈ N ₆ O ₁₀ S ₂ (Dimer)	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	730.81(Dimer)	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	96.150%
Residue on Ignition	TGA	1.2103%
Loss On Drying	TGA	3.3318%
Assay		91.8%

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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Approved by General Manager:

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Date: Dec 04, 2025

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