Certificate of Analysis

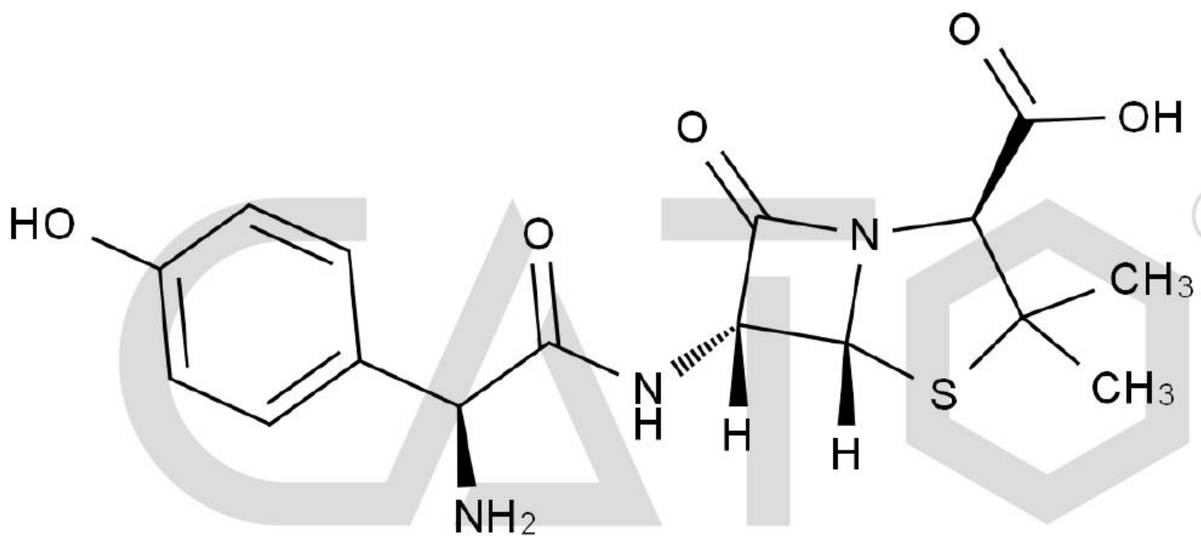
Reference Material & Standard

Product Name:	Amoxicillin EP impurity B	**Catalogue Number:**	C4X-11483
Synonyms:	Amoxicillin Related Compound B	**Lot Number:**	0122-RG-0099
CAS Number:	26889-93-0	**Expiry Date:**	Jan 21, 2028
Molecular Formula:	$C_{16}H_{19}N_3O_5S$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	365.40	**Shipping Condition:**	Shipping with Ice Packs

Warning:



Chemical Structure:



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Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	97.597%
Residue on Ignition	TGA	0.3157%
Loss on Drying	TGA	5.0441%
Assay	Mass Balance	92.4%

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: Alice — Date: Oct 08, 2026

Reviewed by: Koi — Date: Oct 09, 2026

Approved by General Manager: David — Date: Oct 09, 2026

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