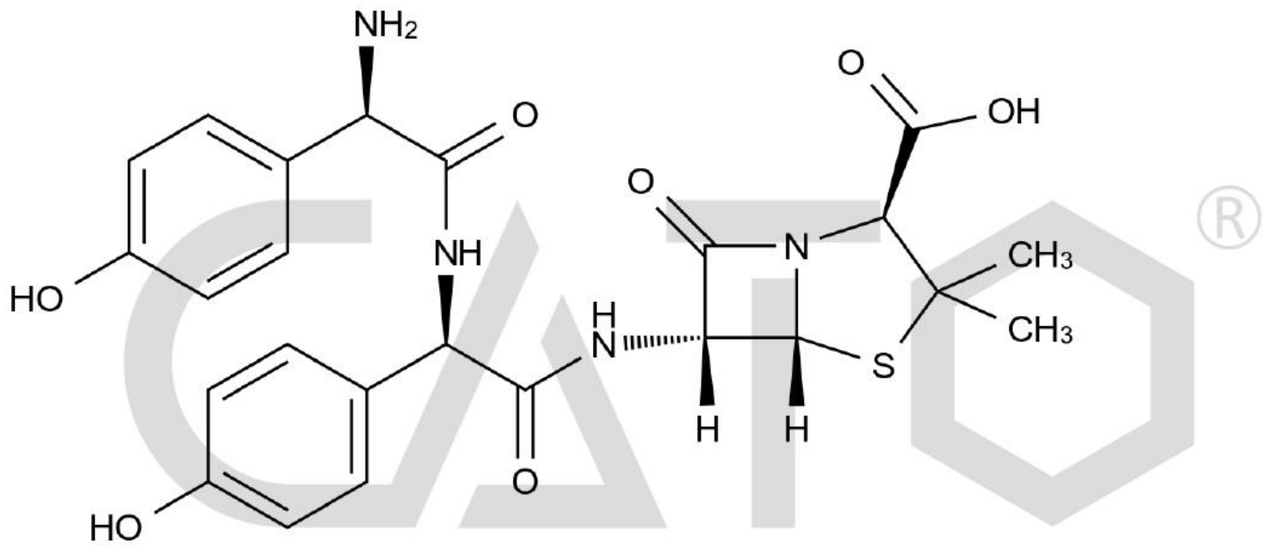
Certificate of Analysis

Reference Material & Standard

Product Name:	Amoxicillin EP Impurity G	**Catalogue Number:**	C4X-11487
Synonyms:	Amoxicillin Related Compound G	**Lot Number:**	1128-RF-0072
CAS Number:	188112-75-6	**Expiry Date:**	Nov 27, 2027
Molecular Formula:	$C_{24}H_{26}N_4O_7S$	**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&CNMR&HNMR	Confirmed
Purity	HPLC	96.637%
Residue on Ignition	TGA	0.5877%
Loss on Drying	TGA	3.8035%
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 08, 2026

Approved by General Manager: David — Date: Oct 08, 2026

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ANAB ANSI National Accreditation Board ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER AR-2832

ISO 9001:2000 SYSTEM CERTIFICATION SGS

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