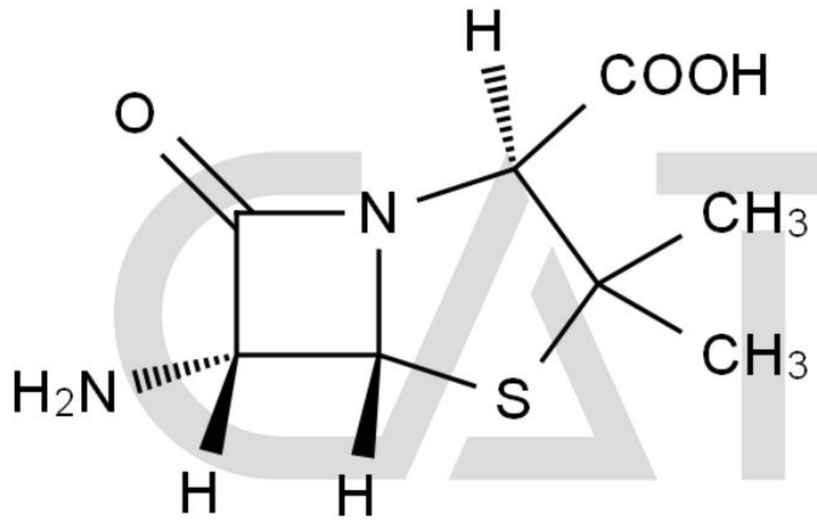
Certificate of Analysis

Reference Material & Standard

Product Name:	Amoxicillin EP Impurity A(Sulbactam EP Impurity B)	**Catalogue Number:**	C4X-11482
Synonyms:	Amoxicillin Related Compound A/Flucloxacillin Sodium EP Impurity C	**Lot Number:**	0129-RH-0096
CAS Number:	551-16-6	**Expiry Date:**	May 18, 2030
Molecular Formula:	$C_8H_{12}N_2O_3S$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	216.26	**Shipping Condition:**	Shipping at Room Temperature
Solubility:	Water	**Warning:**	

Chemical Structure:



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Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	97.229%
Loss on Drying	TGA	0.0717%
Assay	Mass Balance	97.2%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Loss on Drying) * Purity HPLC (%) /100%*
Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by: Alice — Date: Nov 09, 2026

Reviewed by: Koi — Date: Nov 09, 2026

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

CATO Research Chemicals Inc.

Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175 Email: supports@cato-chem.com Web: https://www.cato-chem.com

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

ISO 9001:2000 SYSTEM CERTIFICATION SGS

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