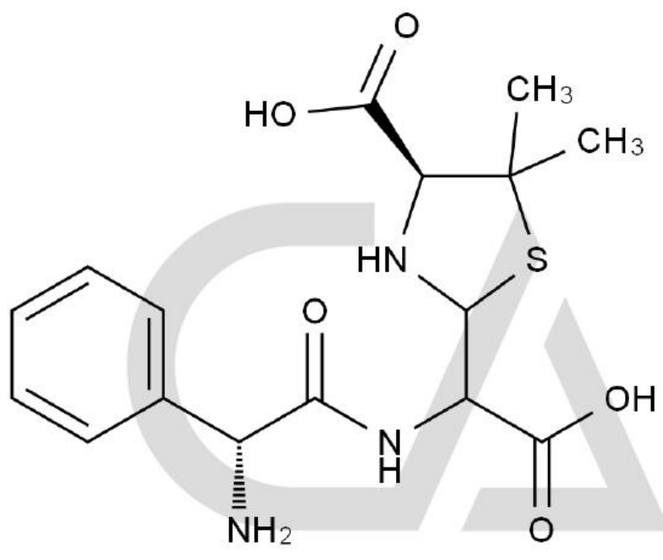
Certificate of Analysis

Reference Material & Standard

Product Name:	Ampicillin EP Impurity D	**Catalogue Number:**	C4X-14434
Synonyms:	N/A	**Lot Number:**	0606-RG-0041
CAS Number:	32746-94-4	**Expiry Date:**	Apr 16, 2028
Molecular Formula:	$C_{16}H_{21}N_3O_5S$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	367.42	**Shipping Condition:**	Shipping with Ice Packs
		Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	94.0%
Assay	qNMR	90.4%

CATO Research Chemicals Inc.

Signature:

Prepared by: Koji Date: Nov 09, 2026

Reviewed by: Lisa Date: Nov 09, 2026

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

CATO Research Chemicals Inc.