

Certificate of Analysis

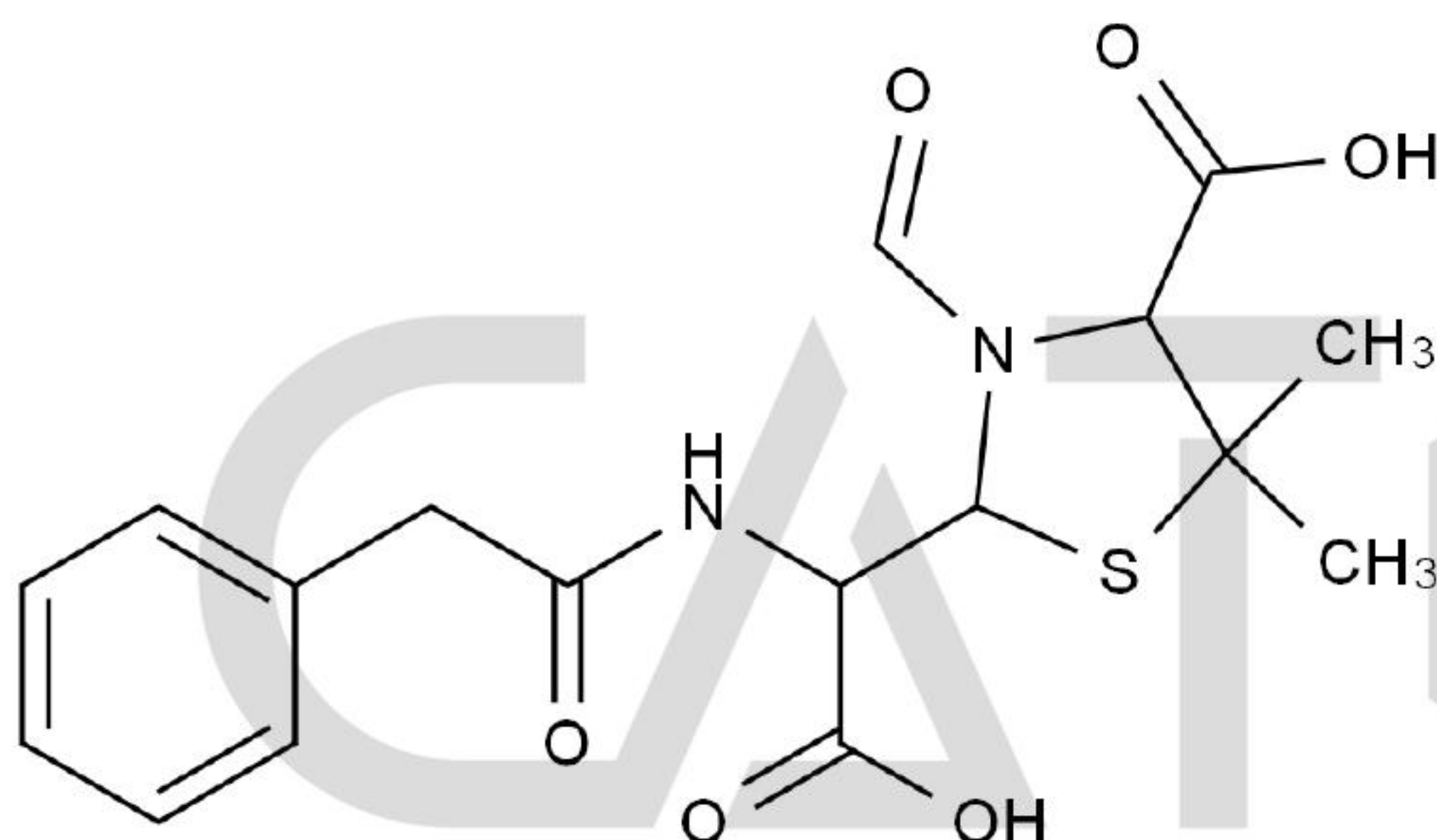
Reference Material & Standard

Product Name:	Benzylpenicillin CP Impurity J	Catalogue Number:	C4X-189910
Synonyms:	N/A	Lot Number:	0624-RF-0007
CAS Number:	N/A	Expiry Date:	Jun 22, 2027
Molecular Formula:	C ₁₇ H ₂₀ N ₂ O ₆ S	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	380.42	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	94.661%
Residue on Ignition	TGA	3.0564%
Loss on Drying	TGA	3.0963%
Assay		88.8%

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:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Jul 01, 2024

Date: Jul 02, 2024

Date: Jul 02, 2024



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>

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