

Certificate of Analysis

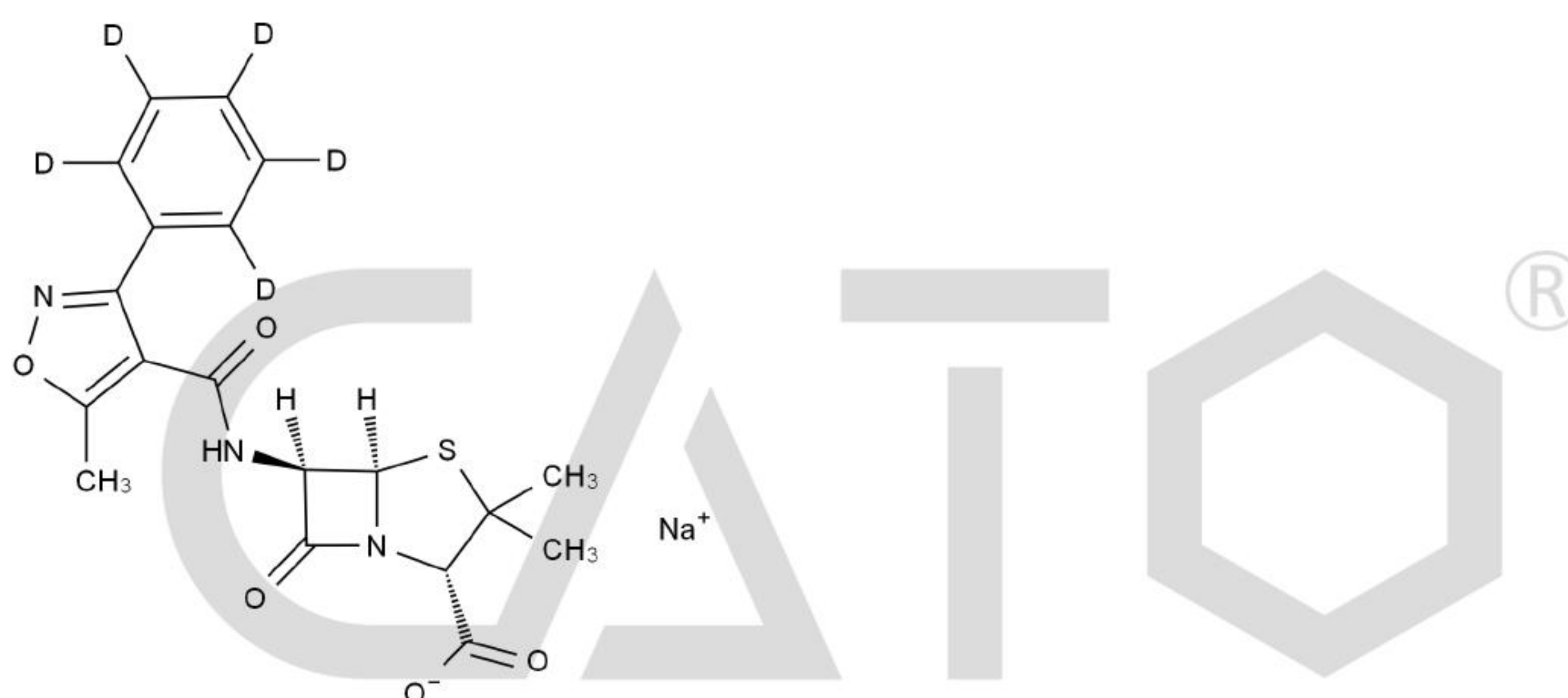
Reference Material & Standard

Product Name:	Oxacillin D5 Sodium	Catalogue Number:	CP105443
Synonyms:	N/A	Lot Number:	1009-RD-0020
CAS Number:	1173-88-2 (unlabelled)	Expiry Date:	Mar 28, 2024
Molecular Formula:	C ₁₉ H ₁₃ D ₅ N ₃ O ₅ S Na	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	405.46 22.99	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&HNMR	Confirmed
Chemical Purity	HPLC	96.46%
Isotopic Purity		99.61%
Water Content	Elemental Analysis	5.5%
Assay		91.2%

Comment:

1. Sodium Content: 5.22% by Ion Chromatography
2. The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Water Content}) * \text{Purity HPLC (\%)} / 100\%$$
 Water Content is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

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Reviewed by:

Xenia

Approved by General Manager:

David

Date: Apr 01, 2020

Date: Nov 09, 2022

Date: Nov 09, 2022



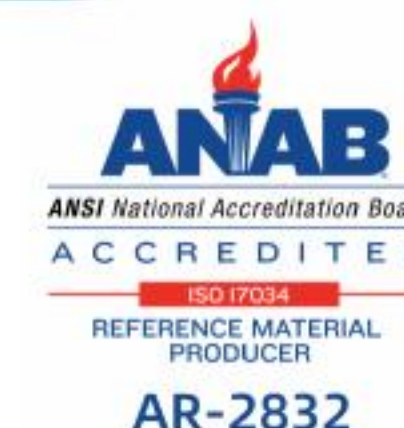
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