

Certificate of Analysis

Reference Material & Standard

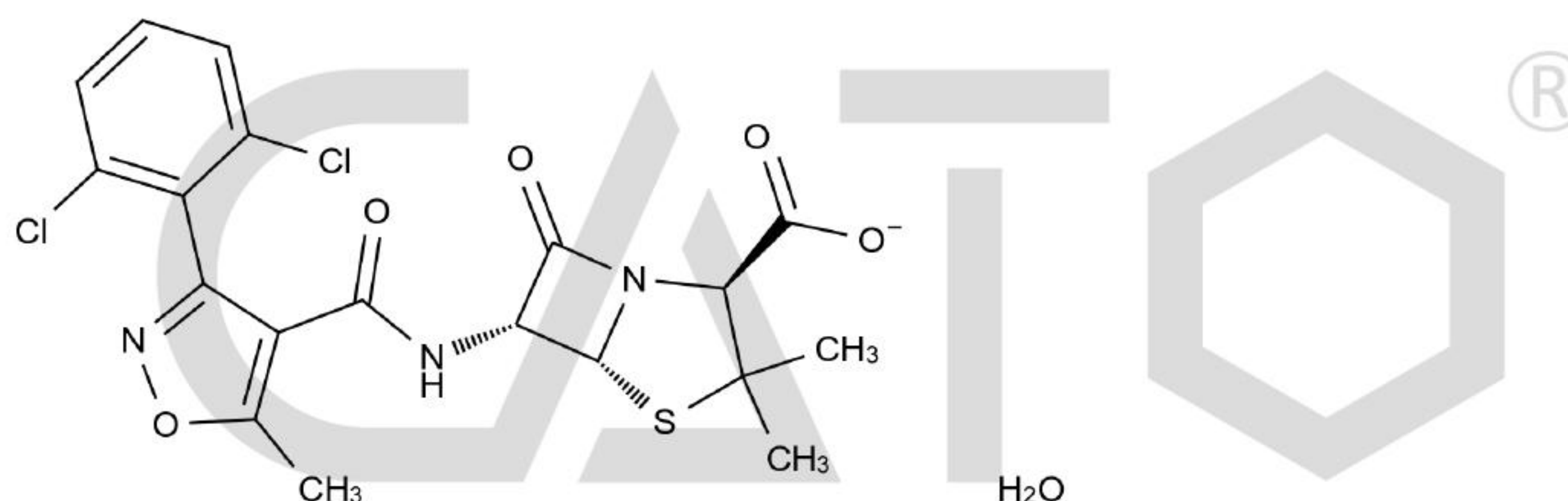
Product Name:	Dicloxacillin Sodium Monohydrate	Catalogue Number:	CCAD300185
Synonyms:	N/A	Lot Number:	0416-RH-0002
CAS Number:	13412-64-1	Expiry Date:	Apr 14, 2030
Molecular Formula:	C ₁₉ H ₁₆ Cl ₂ N ₃ O ₅ S Na H ₂ O	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	469.32 22.99 18.02	Shipping Condition:	Shipping with Ice Packs

Warning:



Na⁺

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	95.818%
Water Content	Karl Fischer	6.0746%
Assay		90.0%
Uncertainty		±1.0%

Comment:

1. 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.

2. The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Lisa

Reviewed by:

Hin Lam

Approved by General Manager:

David

Date: Apr 16, 2026

Date: Apr 16, 2026

Date: Apr 16, 2026



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>

