



CERTIFICATE OF ANALYSIS

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1. Identification

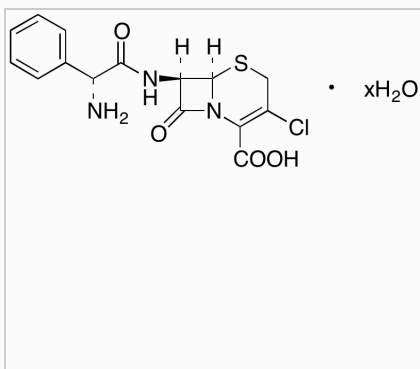
Catalogue Number: C235250

CAS Number: 70356-03-5

Product: Cefaclor Hydrate

Synonym: (6R,7R)-7-[(2-Amino-2-phenylacetyl)amino]-3-chloro-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic Acid Hydrate; Ceclor Hydrate; Distaclor Hydrate; Keflor Hydrate; Raniclор Hydrate;

Structure:



Molecular Formula:

C₁₅H₁₄ClN₃O₄S • xH₂O

Molecular weight:

367.81 + x(18.02)

Source of Product:

N/A

Solubility:

Methanol (Slightly), Water (Slightly)

Lot Number: 11-YM-41-1

Purity: 98%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Light Beige Solid	Light Beige Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 45.58, %H: 4.36, %N: 11.11
HPLC Purity	Report Result	98.55% (205 nm)
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	+97.5° (c = 0.2, Water)
Water Content	Report Result	6.5% by Karl Fischer

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Henry Tieu	Toni Rantanen	Chanell Chu	7/28/2023	7/26/2027