



CERTIFICATE OF ANALYSIS

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1. Identification

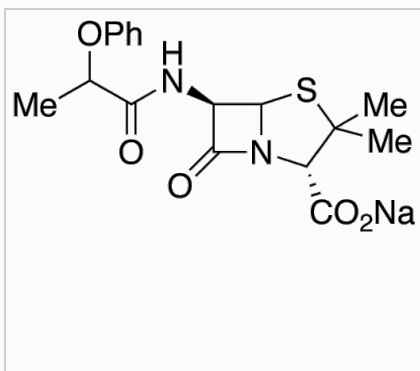
Catalogue Number: P296320

CAS Number: 30302-52-4

Synonym: Pheneticillin Sodium Salt; Phenoxy PC Sodium Salt; Phenoxyethylpenicillin Sodium Salt; Synthepen Sodium Salt; α-Phenoxyethylpenicillin Sodium Salt; 1-Phenoxyethylpenicillin Sodium Salt; Alfacilin Sodium Salt; Feneticillin Sodium Salt; NSC 117548 Sodium Salt; Optipen Sodium Salt; Penicillin 152 Sodium Salt; Penicillin MV Sodium Salt; Peniplus Sodium Salt; Penorale Sodium Salt; Penova Sodium Salt; (2S,5R,6R)-3,3-Dimethyl-7-oxo-6-[(1-oxo-2-phenoxypropyl)amino]-4-thia-1-azabicyclo[3.2.0]heptane-2-c

Product: Pheneticillin Sodium Salt (>80%)

Structure:



Molecular Formula:

C₁₇H₁₉N₂NaO₅S

Molecular weight:

386.4

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Methanol (Slightly)

Lot Number: 2-PRA-47-1

Purity: >80%

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

Storage Condition: -20°C, Hygroscopic

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Pale Yellow Solid	Off-White to Pale Yellow Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 48.66, %H: 5.16, %N: 6.73
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	86.38% (205 nm)

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
Meenakshi Sharma	Toni Rantanen	Chanell Chu	7/13/2023	7/11/2027
				