



CERTIFICATE OF ANALYSIS

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1. Identification

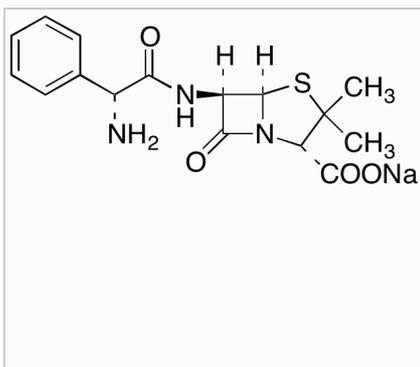
Catalogue Number: A634315

CAS Number: 69-52-3

Synonym: D-(-)-6-(2-Amino-2-phenylacetamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic Acid Monosodium Salt; [2S-[2 α ,5 α ,6 β (S*)]]-6-[(Aminophenylacetyl)amino]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic Acid Monosodium Salt; (2S,5R,6R)-6-[[[(2R)-Aminophenylacetyl]amino]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic Acid Monosodium Salt; Alpen N; Amcill S; Ampidry 5000; Ampicillin Sodium; Ampicillin Sodium Salt; Ampicillin-Na; Ampicin; Anhy

Product: Ampicillin Sodium Salt

Structure:



Molecular Formula:

C₁₆H₁₈N₃NaO₄S

Molecular weight:

371.39

Source of Product:

N/A

Solubility:

Aqueous Acid (Slightly),
DMSO (Slightly)

Lot Number: 1-TRD-10-1

Purity: 93%

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 Off-White Solid	Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 48.59, %H: 4.91, %N: 10.53
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	93.05% (205 nm)
Water Content	Report Result	1.6% 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 $\pm 2\%$. 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

Evan Burns

**Reviewed By**

Toni Rantanen

**C of A Approved
By**

Chanell Chu

**Test Date**

6/3/2021

Retest Date

6/1/2025