



CERTIFICATE OF ANALYSIS



Date: 30-01-2026

Product Name	Ampicillin EP Impurity B		
Chemical Name	(2S,5R,6R)-6-[(2S)-2-Amino-2-phenylacetyl]amino]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid (2S,5R,6R)-6-[(S)-2-Amino-2-phenylacetamido]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid (as per USP)		
Structure	<p>The chemical structure shows a 7-membered thiazolidine ring. The ring contains a sulfur atom (S) at position 3, a nitrogen atom (N) at position 4, and a carbonyl group (C=O) at position 5. At position 2, there is an amino group (-NH2) and a carbonyl group (-C(=O)NH-). At position 6, there is another carbonyl group (-C(=O)NH-) attached to a phenyl group (-C6H5).</p>		
Batch No.	-	CAS No.	19379-33-0
Analysis Date	-	Retest Date	2
Mol. Formula	C ₁₆ H ₁₉ N ₃ O ₄ S	Molecular Wt.	349.4
Long term Storage Condition	Store at 2-8 °C in well closed container		
Handling and Transit Condition	25-30 °C in well closed container		

Test	Result
Appearance	-
Solubility	-
1H-NMR	Conforms to structure
MASS	Conforms to structure
Chromatographic Purity	>90%

Note: This material should be used for research purpose and not for human or animal consumption. Any patent applicable for this product in any country is not applicable for this analytical standard/research chemical.

	Prepared By	Checked By	Approved By
Signature			
Date			

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