



CERTIFICATE OF ANALYSIS

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1. Identification

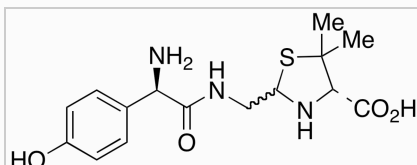
Catalogue Number: A611620

CAS Number: 1356020-01-3

Product: (4S)-2-[[[(2R)-2-Amino-2-(4-hydroxyphenyl)acetyl]amino]methyl]-5,5-dimethyl-4-thiazolidinecarboxylic Acid (Mixture of Diastereomers)

Synonym: Amoxicillin EP Impurity E; Amoxicillin USP Related Compound E

Structure:



Molecular Formula:

C₁₅H₂₁N₃O₄S

Molecular weight:

339.41

Source of Product:

Synthetic

Solubility:

Methanol (Slightly), Water (Slightly)

Lot Number: 2023-HAB-087

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 Light Yellow Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 49.95, %H: 6.32, %N: 11.64
HPLC Purity	Report Result	93.54% (196 nm)
MS	Conforms to Structure	Conforms

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	Reviewed By	C of A Approved By	Test Date	Retest Date
Sarbjee Kaur	Toni Rantanen	Chanell Chu	10/3/2023	10/1/2027