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## CERTIFICATE OF ANALYSIS

Analysis Date: May 2024

Re-test Date: May 2026

**Product Name: Amoxicillin EP Impurity E**

### Identification:

Chemical Name: (2R,4S)-2-[[[(2R)-2-Amino-2-(4-hydroxyphenyl)acetyl]amino]methyl]-5,5-dimethylthiazolidine-4-carboxylic acid (as per EP)

Synonyms : Amoxicillin USP Related  
Compound E ; Amoxicillin  
Penilloic Acid

CAS Number : 1356020-01-3

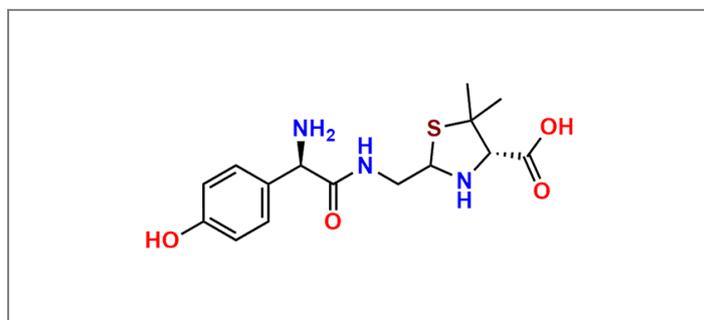
CAT Number : CP-A20005

Molecular Formula : C<sub>15</sub>H<sub>21</sub>N<sub>3</sub>O<sub>4</sub>S

Molecular Weight : 339.41

Batch Number : CP-AMO-E-0524

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



### Analytical Information:

Sr. No.	Test	Result
1)	Description	Off White Hygroscopic Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	98.79%
5)	<sup>1</sup> HNMR	Confirm to structure
6)	Weight loss by TGA	8.613%
7)	Potency by TGA	90.28%



Prepared and Reviewed By

Ms Priyanka Salunkhe  
(Quality Control)

Approved By

Ms Rohini Gagare  
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.