

Registered Address: Chemicea Pharmaceuticals Pvt Ltd, Platinum Springs,  
Unit No- A- 205&206 Second floor, Plot No: G-6, G-20 to G 24, Taloja- MIDC, Opp. Dena Bank  
Navi Mumbai 410208, MH, INDIA. Email- [info@chemicea.com](mailto:info@chemicea.com) Mob- +91 9284897978

## 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

Synonyms : Amoxicillin USP Related  
Compound E ; Amoxicillin  
Penilloic Acid

CAS Number : 1356020-01-3

CAT Number : CP-A20005

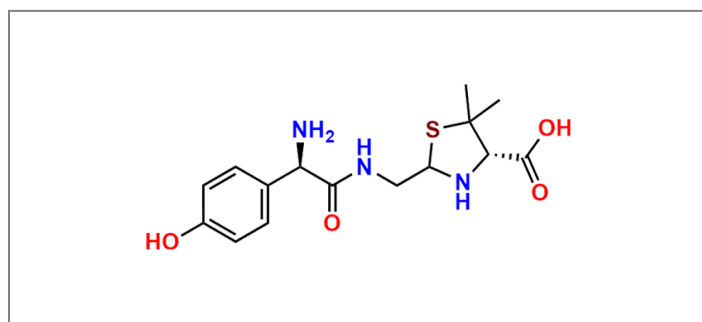
Molecular Formula : C<sub>15</sub>H<sub>21</sub>N<sub>3</sub>O<sub>4</sub>S

Molecular Weight : 339.41

Batch Number : CP-AMO-E-0524

Storage Condition : Tightly closed, Inert atmosphere at -20° C

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)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to structure
7)	Weight loss by TGA	8.613%
8)	Potency by TGA	90.28%



**Prepared and Reviewed By**

A handwritten signature in blue ink, appearing to read "Priyanka Salunkhe".

Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**

A handwritten signature in blue ink, appearing to read "Rohini Gagare".

Ms Rohini Gagare  
(QA Head)

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