

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: Dec 2025

Re-test Date: Nov 2028

**Product Name: Amoxicillin EP Impurity A**

### Identification:

Chemical Name: (2S,5R,6R)-6-Amino-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid (as per EP and USP)

Synonyms : Amoxicillin USP Related  
Compound A ; (+)-6-  
Aminopenicillanic acid ;  
Sulbactam EP Impurity B

CAS Number : 551-16-6

CAT Number : CP-A20001

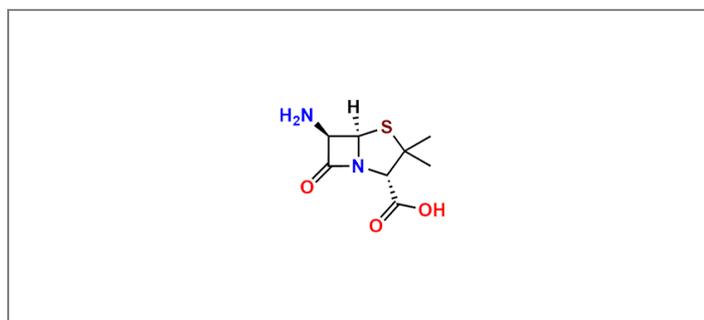
Molecular Formula : C<sub>8</sub>H<sub>12</sub>N<sub>2</sub>O<sub>3</sub>S

Molecular Weight : 216.26

Batch Number : CP-AMO-A-1225

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° 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	White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.65%
5)	<sup>1</sup> HNMR	Confirm to structure
6)	Weight loss by TGA	0.013%
7)	Potency by TGA	99.64%



**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.