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## CERTIFICATE OF ANALYSIS

Analysis Date:

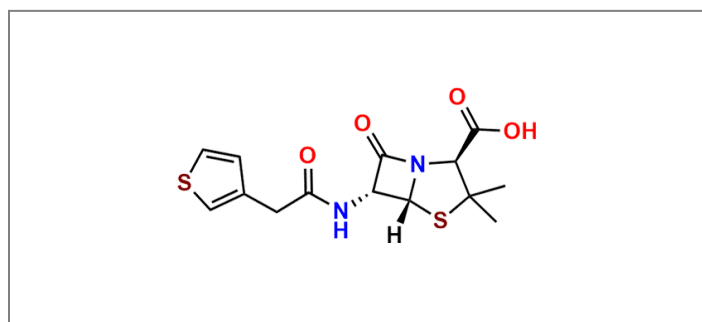
Re-test Date:

**Product Name: Ticarcillin Sodium EP Impurity A**

### Identification:

Chemical Name: (2S,5R,6R)-3,3-dimethyl-7-oxo-6-(2-(thiophen-3-yl)acetamido)-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid

Synonyms : NA  
CAS Number : 36041-93-7  
CAT Number : CP-T264007  
Molecular Formula : C<sub>14</sub>H<sub>16</sub>N<sub>2</sub>O<sub>4</sub>S<sub>2</sub>  
Molecular Weight : 340.41



### Analytical Information:

Sr. No.	Test	Result
1)	Description	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	>95%
5)	H1NMR	Confirm to structure



### Prepared and Reviewed By

Ms Priyanka Salunkhe  
(Manager QC Analytical)

### Approved By

Ms Rohini Gagare  
(QA Head)

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