

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:

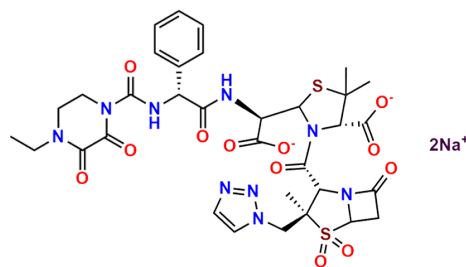
Re-test Date:

**Product Name: Piperacillin Impurity 32**

### Identification:

Chemical Name: disodium mono((4S)-3-((2R,3S)-3-((1H-1,2,3-triazol-1-yl)methyl)-3-methyl-4,4-dioxido-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carbonyl)-2-((R)-carboxylato((R)-2-(4-ethyl-2,3-dioxopiperazine-1-carboxamido)-2-phenylacetamido)methyl)-5,5-dimethylthiazolidine-4-carboxylate)

Synonyms : NA  
CAS Number : NA  
CAT Number : CP-P107028  
Molecular Formula : C<sub>33</sub>H<sub>37</sub>N<sub>9</sub>O<sub>12</sub>S<sub>2</sub> : 2(Na)  
Molecular Weight : 815.83 : 2(23.0)



### 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.