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## CERTIFICATE OF ANALYSIS

Analysis Date:

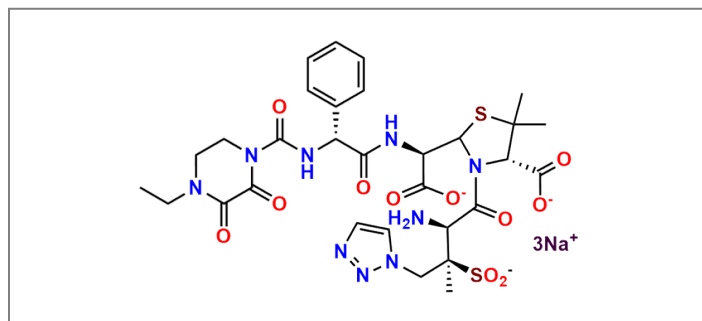
Re-test Date:

**Product Name: Piperacillin Impurity 30**

### Identification:

Chemical Name: trisodium mono((4S)-3-((2S,3S)-2-amino-3-methyl-3-sulfonato-4-(1H-1,2,3-triazol-1-yl)butanoyl)-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-P107030  
Molecular Formula : C<sub>30</sub>H<sub>36</sub>N<sub>9</sub>O<sub>11</sub>S<sub>2</sub> : 3(Na)  
Molecular Weight : 762.79 : 3(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.