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## CERTIFICATE OF ANALYSIS

Analysis Date: Oct 2024

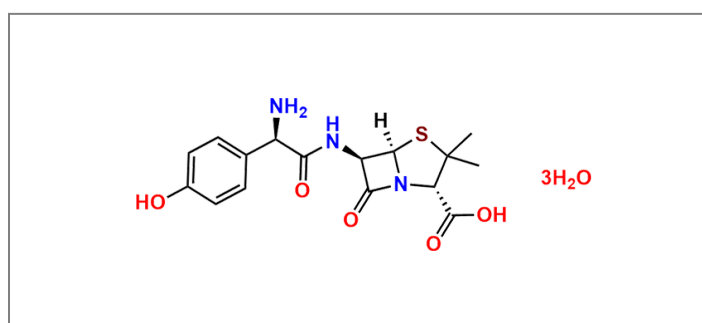
Re-test Date: Jun 2027

**Product Name: Amoxicillin Trihydrate (In House Standard)**

### Identification:

Chemical Name: (2S,5R,6R)-6-[(R)-(-)-2-Amino-2-(p-hydroxyphenyl)acetamido]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic Acid Trihydrate

Synonyms : NA  
CAS Number : 61336-70-7  
CAT Number : CP-A20011  
Molecular Formula : C<sub>16</sub>H<sub>19</sub>N<sub>3</sub>O<sub>5</sub>S : 3(H<sub>2</sub>O)  
Molecular Weight : 365.4 : 3(18.0)  
Batch Number : CP-AMO-TRI-0723  
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        | Off-White Solid          |
| 2)      | Solubility         | Soluble in Methanol/DMSO |
| 3)      | MASS By LCMS       | Confirm to structure     |
| 4)      | Purity By HPLC     | 99.49%                   |
| 5)      | H1NMR              | Confirm to structure     |
| 6)      | 13CNMR             | Confirm to structure     |
| 7)      | IR                 | Confirm to structure     |
| 8)      | Weight loss by TGA | 8.071%                   |
| 9)      | Potency by TGA     | 91.41%                   |



**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.