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CERTIFICATE OF ANALYSIS

Analysis Date: Oct 2024

Re-test Date: Sep 2027

Product Name: Penicillin G potassium salt (In House Standard)

Identification:

Chemical Name: (2S,5R,6R)-3,3-Dimethyl-7-oxo-6-[(2-phenylacetyl)amino]-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic Acid Potassium Salt

Synonyms : NA

CAS Number : 113-98-4

CAT Number : CP-P392001

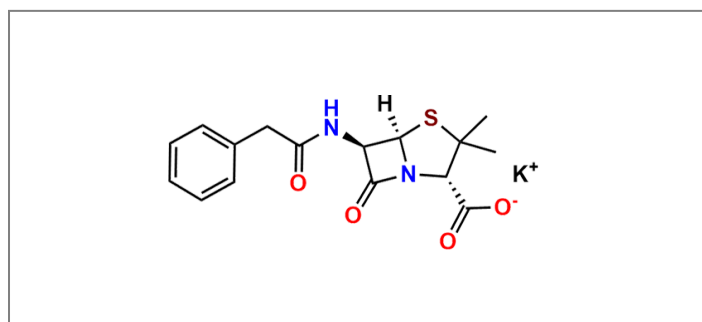
Molecular Formula : C₁₆H₁₇N₂O₄S : K

Molecular Weight : 333.38 : 39.10

Batch Number : CP-PMP-PA-1024

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 to Off White Solid |
| 2) | Solubility | Soluble in Methanol/DMSO |
| 3) | MASS By LCMS | Confirm to structure |
| 4) | Purity By HPLC | 98.70% |
| 5) | H1NMR | Confirm to structure |
| 6) | Weight loss by TGA | 20.845% |
| 7) | Potency by TGA | 78.12% |



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.