

CERTIFICATE OF ANALYSIS

(Certificate No. KMP016061-01)

Release Date: 20/11/2024

Re-test Date: 19/11/2027

PHENOXYMETHYLPENICILLIN IMPURITY D

Identification

Chemical Name :

(2S,5R,6R)-3,3-dimethyl-7-oxo-6-[[2-(4-hydroxyphenoxy)acetyl]amino]-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid (as per EP)

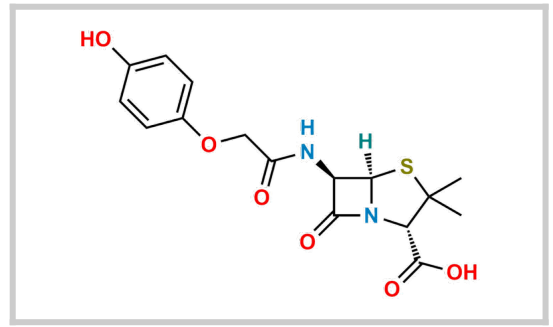
Alt. Name : 4-hydroxyphenoxy methylpenicillin (EP) ; p-Hydroxyphenicillin V

CAT No. : KMP016061

CAS No. : 20880-67-5

Molecular Formula : C₁₆H₁₈N₂O₆S

Molecular Weight : 366.4



Analytical Information

Batch No. : SR-KRU-0038-084

Description : White Solid

HPLC Purity : 99.53 %

Weight Loss By TGA : 0.26 %

% Potency : 99.27 %

Solubility : ACN : Water

Mass : Confirm

IR : Confirm

¹H NMR : Confirm

Additional Information

Long Term Storage : Store at 2-8 deg. C for long term storage

Shipping Condition : Product is stable to be Shipped at Room Temperature

% Potency = [100 - 0.26(Weight Loss By TGA)] x [99.53(HPLC Purity)]/100 = 99.27 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		26/02/2026
Reviewed & Approved By	Quality Control	Jatin Patel		26/02/2026

Attachments : COA, HPLC, MASS, ¹H NMR, IR and TGA