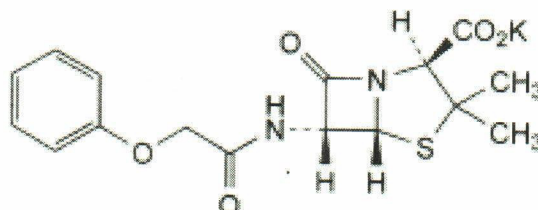




Batch no 260606-8
Mf date Jun 08 2026
Exp date Jun 07 2029

Molecular Structure



Molecular Formula $C_{16}H_{17}KN_2O_5S$

Molecular Weight 388.5

CAS Registry Number 132-98-9

Aug 04 2026

Tests	Specifications	Results
Appearance	White or off-white crystalline powder	Conforms
Solubility	Freely soluble in water, practically insoluble in ethanol (96 per cent).	Conforms
Identification	A, B, C	Positive
Chroma	$\leq 2\#$	0.5#
Specific rotation	$+215 \sim +230^\circ$	$+225^\circ$
Absorbance	306 nm ≤ 0.20 274 nm ≥ 0.50	0.05 0.53
pH	5.5 $\sim$ 7.5	6.8
Water	$\leq 0.5\%$	0.08%
Related substances	Impurity E $\leq 1.0\%$	ND
	Impurity B $\leq 0.3\%$	ND
	Impurity F $\leq 1.0\%$	ND
	Any other impurity $\leq 0.15\%$	0.06%
	Total impurities $\leq 3.0\%$	0.1%
	4-Hydroxy phenoxymethylpenicillin potassium $\leq 0.1\%$	0.082%
	Largest impurity $\leq 1.0\%$	0.13%
Residual solvents	P-Hydroxyphenicillin V $\leq 5.0\%$	$< 0.8\%$
	Butanol $\leq 0.5\%$	0.0092%
	Butyl acetate $\leq 0.5\%$	0.000078%
		1,501 U/mg
Potency	1,444 $\sim$ 1,536 U/mg	99.5%
Assay (HPLC)	95.0 $\sim$ 102.0%	Conforms
Crystalline	Meets the requirements	
Packaging & storage	Preserve in tight and light-resistant containers. Store at room temperature.	
Conclusion	Material complies with BP2020	

