

Specification



Carbenicillin disodium salt *BioChemica*

A1491

Synonym	α-Carboxybenzylpenicillin
Formula	C ₁₇ H ₁₆ N ₂ Na ₂ O ₆ S
M	422.37 g/mol
CAS-No.:	4800-94-6
HS-No.:	29419000
EC-No.:	225-360-8
Storage:	RT
LGK:	10 - 13
Disposal:	3
R:	42/43
S:	22-36/37
	harmful
	hygroscopic
Specification	
Activity (calc. on dried subst.)	min. 770 µg/mg
pH (1 %; H₂O; 20°C)	6.0 - 7.5
Heavy metals (as Pb)	max. 0.001 %
Water	max. 5 %
Comment	<p>Carbenicillin is chemically similar to ampicillin. It is active against gram negative organism. Carbenicillin is readily water-soluble (strongly hygroscopic!) and labile against acids. Even the crystalline form of carbenicillin will be decarboxylated during long storage. Aqueous solutions are stable at room temperature for several hours and at +4°C up to 5 days. Prepare a stock solution with a concentration of 50 mg/ml in water and filter sterilize. Store the stock solution at -20°C. The working concentration varies from 20 - 100 µg/ml.</p>