

## Product Specification

Product Name: Ampicillin sodium \*copoeia  
D(-)alpha-Aminobenzylpenicillin sodium salt

Item Nr.: 1046 MW: 371.39 g/mol C16H18N3O4 S\*Na  
CAS Nr.: 69-52-3 E.C.Nr.: EINECS: 200-708-1

Parameter	Methode	Specification	Unit
Appearance	visual	White to off-white powder	
Solubility	10% in H2O	soluble	
Clarity of solution	Nephelometry	0	NTU
Coloration of sol.	Gardner	1	
Identification	IR	corresponds with reference	
Assay	anhydrous substance	91.0 - 102.0	%
Optical rotation	$[\alpha]_{20D}$	+258.0 - +287.0	°
pH	10% in H2O	8.0 - 10.0	
N,N-Dimethylaniline		≤20.0	ppm
2-Ethylhexanoic acid		<0.8	% m/m
Related Substances	ampicillin dimer	<4.5	%
Related Substances	any other impurity	<2.0	%
Water	KF	<2.0	%
Bacterial endotoxins		<0.15	E.U./mg

Storage: Keep well closed at 0-5 °C in a dark and dry place.

For professional use only. Not intended for pharmaceutical use. We do not warrant suitability for any particular application. Consult Safety Data Sheet.

Version/Latest update: 06/07.07.2023