

## Product Specification

Product Name: Penicillin G potassium  
(2S,5R,6R)-3,3-Dimethyl-7-oxo-6-(2-phenylacetamido)-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid

Item Nr.: 1120 MW: 372.48 g/mol C16H17N2O4S\*K  
CAS Nr.: 113-98-4 E.C.Nr.: EINECS: 204-038-0

Parameter	Method	Specification	Unit
Appearance	visual	Off-white powder	
Solubility	30% in H2O	soluble	
Clarity of solution	Nephelometry	0	NTU
Coloration of sol.	Gardner	1	
Identification A	IR	complies	
Identification B	Potassium	complies	
Assay	HPLC	95.0 - 102.0	%
Loss on drying		<1.0	%
pH	10% in H2O	5.5 - 7.5	
A280	1.9 % in H2O	<0.1	
A325	1.9 % in H2O	<0.1	

Storage: Keep well closed at 2-8°C in a dark and dry place. Compound is hygroscopic.

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: 02/21.03.2018