



CERTIFICATE OF ANALYSIS

Product	Penicillin G, sodium salt
Grade	EP (EP9 standard)
Product Code	PB0135
Formula	$C_{16}H_{17}N_2NaO_4S$
MW	356.37
CAS#	69-57-8
Lot No	

Test Items	Specifications	Results
Appearance	White crystalline powder	
Identification	Complies	
pH	5.5~7.5	
Absorbance (325nm)	≤ 0.10	
Absorbance (264nm)	0.80-0.88	
Specific rotation	$+285^\circ \sim +310^\circ$	
Loss on drying	$\leq 1.0\%$	
Related substances	Total impurities $\leq 1.0\%$ Polymer $\leq 0.08\%$	
Potency	---- (Report)	
Assay (HPLC)	96.0 ~ 102.0%	

Storage: 18~25°C