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Certificate of Analysis

Product	40309 - Penicillin G Sodium Salt (PNL), 98% - [69-57-8]
Batch No	1100125
Analysis Date	03-Oct-2022
Date of Manufacture	October 2022
Expiry Date/Re-Test Date	October 2027
Molecular Formula	C ₁₆ H ₁₇ NaN ₂ O ₄ S
Molecular Weight	356.37

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Solubility (Colour) 10% aq. solution	Colourless	Colourless
pH (10% aq. solution)	5.5 - 7.5	6.3
Assay	min. 98%	99.7%
Potency	min. 1600 µg/mg	1640 µg/mg
Specific rotation [α]	+ 285 to + 310° (C=2 , Water)	+291.26°
Absorbance (A) of 0.18% aqueous solution in a 1 cm cell v/s H ₂ O		
@280nm	max. 0.1	0.022
@264nm	0.80 - 0.88	0.850
Not for medicinal use	.	

FRM/82/11/4/40309 Rev No. 1 Date 01/01/2018

Prepared by Yogesh

In compliance with the standard specifications of SRL

Plant Site 2 : H-4, MIDC, Talaja – 410 208, Maharashtra, India

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1/1

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