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## Certificate of Analysis

<b>Product</b>	<b>82904 - Ampicillin Trihydrate (AMP) - [7177-48-2]</b>
<b>Batch No</b>	<b>7086100</b>
<b>Analysis Date</b>	30-Jun-2024
<b>Date of Manufacture</b>	June 2024
<b>Expiry Date/Re-Test Date</b>	June 2029
<b>Molecular Formula</b>	C <sub>16</sub> H <sub>19</sub> N <sub>3</sub> O <sub>4</sub> S.3H <sub>2</sub> O
<b>Molecular Weight</b>	403.45

Test Parameters	Standards	Actual Results
Appearance (Colour)	White to off-white	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% solution in 1M HCl	Clear	Clear
pH (0.25% aq. solution)	3.5 - 5.5	4.4
Assay (HPLC) (on anhydrous basis)	min. 99.0%	99.3%
Potency	900 - 1050 µg/mg	993 µg/mg
Specific Rotation [α] (Anhydrous basis)	+280° to +305° (C= 0.25,H <sub>2</sub> O)	+292.197°
Water (KF)	12 - 15%	13.4%
Not for medicinal use	.	.

FRM/82/11/4/82904 Rev No. 2 Date 30/06/2024

Prepared by **Dhanashree**

In compliance with the standard specifications of SRL

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

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