

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Ampicillin Sodium Salt
 GRADE: USP30
 CAS NO. 69-52-3
 BATCH NO. 25/MFM/3212
 EXPIRY DATE: March 2028
 MOLECULAR FORMULA: $C_{16}H_{18}N_3O_4SNa$
 MOLECULAR WEIGHT: 371.4
 STORAGE CONDITIONS: 2 – 8 Deg C

TESTS	SPECS	RESULTS
Description	White or almost white crystalline powder	White crystalline powder
Identification	A, B Positive reaction	Positive
Appearance of solution	Clear, colourless solution	Complies
Water	NMT 2.0%	0.6%
pH	8.0 to 10.0	9.1
Dimethylamine	NMT 0.002%	Not detected
Methylene Chloride	NMT 0.2%	0.01%
Residual solvents	Meets the requirements	Complies
Bacterial Endotoxins	< 0.15 IU/mg	Complies
Assay (Dried Basis)	845 to 988 µg/mg (as $C_{16}H_{19}N_3O_4S$)	910 µg/m

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10th October 2025