



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-254950
Lot Number: SAMPLE
Product Name: Azlocillin sodium salt
CAS Number: 37091-65-9
Molecular Formula: $C_{20}H_{22}N_5O_6SNa$
Molecular Weight: 483.47

Test	Result
Appearance	White or off-white powder or crystalline
Assay	95.4% (as C ₂₀ H ₂₃ N ₅ O ₆ S on anhydrous basis)
Identification (HPLC)	Complies
Identification (Infrared Spectrum)	Complies
Identification (Na Reaction)	Complies
pH	6.5
Residual Solvents	Ethanol: ≤ 0.5% Acetone: ≤ 0.5% Isopropanol: ≤ 0.5% Ethyl acetate: ≤ 0.5% Dichloromethane: ≤ 0.06%
Solution (Clarity)	Clear
Solution (Color)	<Y1
Optical Rotation	$\alpha_D = +193.7^\circ$
Related substances	Single impurity: 0.3% Total impurity: 1.3%
Azlocilin Polymer	≤0.3% (as Azlocilin)
Water Content	1.0%
Bacterial Endotoxins	0.07 eu/mg max
Sterility	Conforms to standard

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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