



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-205261
Lot Number: SAMPLE
Product Name: Cloxacillin sodium
CAS Number: 7081-44-9
Molecular Formula: $C_{19}H_{18}ClN_3NaO_5S \cdot H_2O$
Molecular Weight: 475.55

Test	Specification	Result
Appearance	White crystalline powder	Complies
Assay (Anhydrous Basis)	$\geq 90\%$	94.7%
pH	5.0 - 7.0	5.6
Solubility	Easily soluble in water, soluble in ethanol Not soluble in ethyl acetate	Complies
Specific Rotation	+163 - +172°	+168°
Related Substances	Single impurity $\leq 1.0\%$ Total impurity $\leq 5.0\%$	0.8% 2.1%
Water Content	$\leq 4.5\%$	3.7%

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.

Santa Cruz Biotechnology, Inc. 800.457.3801 831.457.3800 fax 831.457.3801 Europe +00800 4573 8000 49 62221 4503 0 www.scbt.com