



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-202519
Lot Number: SAMPLE
Product Name: Carbenicillin disodium salt
CAS Number: 4800-94-6
Molecular Formula: $C_{17}H_{16}N_2O_6S \cdot 2Na$
Molecular Weight: 422.36

Test	Specification	Result
Appearance		White to off-white powder
Assay (Dried Basis)	$\geq 88\%$	93.6%
Chromatographic Purity	$\geq 92\%$ (HPLC)	98.0%
Identification	Positive	Complies
pH	6.0 - 7.5	7.2
Potency	$\geq 770 \mu\text{g}/\text{mg}$	839 $\mu\text{g}/\text{mg}$
Related Substances	Iodine absorbing substances: $\leq 8.0\%$	Complies
Sodium	Benzylpenicillin sodium: $\leq 5\%$	0.11%
Water Content	$\leq 6.0\%$	3.7%
Pyrogen	$\leq 80 \text{ mg}/\text{kg}$	Complies

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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