



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-281171
Lot Number: SAMPLE
Product Name: Ticarcillin/Clavulanate (15/1)
CAS Number: 4697-14-7
Molecular Formula: $C_{15}H_{14}Na_2N_2O_6S_2 \cdot C_8H_8KNO_5$
Molecular Weight: 665.64

Test	Specification	Result
Appearance	White or off-white to yellowish powder	Complies
Identification (HPLC)	Positive	Complies
Purity (HPLC)	$\geq 750 \mu\text{g}/\text{mg}$ (ticarcillin, on dried basis) $\geq 50 \mu\text{g}/\text{mg}$ (clavulanic acid, on dried basis)	822.8 $\mu\text{g}/\text{mg}$ 56.2 $\mu\text{g}/\text{mg}$
pH	5.5 - 7.5	6.8
Related Substances	The largest impurity: $\leq 4.0\%$ The second impurity: $\leq 2.5\%$ Total impurities: $\leq 8.0\%$	The largest impurity: 0.41% The second impurity: 0.39% Total impurities: 2.0%
Water Content (KF)	$\leq 3.7\%$	2.8%
Bacterial Endotoxins	$\leq 0.07 \text{ EU}/\text{mg}$	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.