



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-254945
Lot Number: SAMPLE
Product Name: Ampicillin trihydrate
CAS Number: 7177-48-2
Molecular Formula: $C_{16}H_{19}N_3O_4S \cdot 3H_2O$
Molecular Weight: 403.45

Test	Result
Appearance	White crystalline powder
Crystallinity	Consistent with standard
Identification	Consistent with standard
pH	4.2
Solubility	Slightly soluble in water and in methanol; insoluble in benzene, in carbon tetrachloride, and in chloroform
Potency (Anhydrous)	1003 µg/mg (HPLC, anhydrous basis)
Dimethylaniline	Consistent with standard
Water Content (KF)	13.5%

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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