



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-480135
Lot Number: SAMPLE
Product Name: Ampicillin Diketopiperazine Sodium Salt (Mixture of Diastereomers)
CAS Number: 49841-96-5 free acid
Molecular Formula: $C_{16}H_{18}N_3NaO_4S$
Molecular Weight: 371.39
Native Source: Synthetic

Test	Specification	Result
Appearance		White solid
Identification (1H-NMR)	Consistent with structure	Complies
Identification (Mass Spectrometry)	Consistent with structure	Complies
Purity (TLC)		97%
Melting Point		> 215 °C (dec.)
Carbon Content	51.74%	49.70%
Hydrogen Content	4.89%	5.18%
Nitrogen Content	11.31%	10.81%
Sodium Content		5.64% by Ion Chromatography

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