



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-204710
Lot Number: SAMPLE
Product Name: Demeclocycline Hydrochloride
CAS Number: 64-73-3
Molecular Formula: $C_{21}H_{21}ClN_2O_8 \cdot HCl$
Molecular Weight: 501.32

Test	Specification	Result
Appearance		Slight yellow crystalline powder
Crystallinity	Crystalline	Complies
Identification (TLC)		Complies
pH	2.0 ~ 3.0	2.4
Specific Absorption	340 ~ 370	365
Specific Rotation	-248 °C ~ -263 °C	-254 °C
Other Impurities	≤5.0%	4.98%
Single Impurity	≤4.0%	Only one more than 4.0%
Total Impurities	≤10.0%	9.04%

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