



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-294032
Lot Number: SAMPLE
Product Name: Cinchonine Hydrochloride
CAS Number: 5949-11-1
Molecular Formula: $C_{19}H_{22}N_2O \cdot HCl$
Molecular Weight: 330.85

Test	Specification	Result
Appearance	White to almost white powder to crystal	White crystalline powder
Purity (HPLC)	$\geq 80\%$	82.0 area%
Purity (Nonaqueous Titration)	$\geq 98\%$ (calcd. on dried substance)	99.7%
Specific Rotation ($\alpha_{20/D}$)	$+177.0 - +187.0^\circ$ (c=1, EtOH)	179.7°
Loss on Drying	$\leq 12.0\%$	7.0%

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