



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-205674
Lot Number: SAMPLE
Product Name: (-)-Epinephrine
CAS Number: 51-43-4
Molecular Formula: $C_9H_{13}NO_3$
Molecular Weight: 183.20

| Test | Specification | Result |
|---------------------------------------|--|-----------------------|
| Appearance | White to off-white powder | Off-white powder |
| Identification (Infrared Spectrum) | Consistent with structure | Complies |
| Purity (HPLC) | $\geq 99\%$ | 99.7% |
| Purity (Nonaqueous Titration) | $\geq 99\%$ (HClO ₄ 0.1M) | 99.3% |
| Solution (Color) | Colorless to yellow and colorless to brown-yellow and colorless to brown at 50 mg/ml in 0.5M hydrochloric acid | Slightly brown-yellow |
| Solution (Turbidity) | Clear(< 3.5 NTU) at 50 mg/ml in 0.5M hydrochloric acid | Complies |
| Specific Rotation ($\alpha_{20/D}$) | -52 - -50° | -50.3° |

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