



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-203116  
Lot Number: SAMPLE  
Product Name: Loperamide Hydrochloride  
CAS Number: 34552-83-5  
Molecular Formula:  $C_{29}H_{33}ClN_2O_2 \cdot HCl$   
Molecular Weight: 513.51

Test	Specification	Result
Appearance	White to off white powder	White powder
Identification (Chloride)	Consistent with standard reference	Complies
Identification (Infrared Spectrum)	Consistent with standard reference	Complies
Identification (UV)	Consistent with standard reference	Complies
Purity	99.0 - 101.0% (dried substance)	99.95%
Residue on Ignition	< 0.1%	0.07%
Solubility	Soluble in methanol, isopropanol and chloroform. Slightly soluble in H <sub>2</sub> O and dilute aqueous base; Insoluble in dilute aqueous acid	Complies
Heavy Metals	< 20 ppm	Complies
Loss on Drying	< 0.5%	0.11%
Chloride	13.52% - 14.20%	14.06%

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](http://www.scbt.com)