



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-204874
Lot Number: SAMPLE
Product Name: Ranitidine hydrochloride
CAS Number: 66357-59-3
Molecular Formula: $C_{13}H_{22}N_4O_3S \cdot HCl$
Molecular Weight: 350.86

Test	Specification	Result
Appearance	Off-white or light yellow powder	Complies
Assay (Dried Basis)	97.0% - 103.0%	98.80%
Identification (Infrared Spectrum)		Complies
Melting Point	137°C - 143°C	138.6°C - 139.8°C
pH	4.5 - 6.5	5.55
Residue on Ignition	≤ 0.1%	0.05%
Color of Solution	Clear	Complies
Heavy Metals	≤ 20 ppm	< 20 ppm
Loss on Drying	≤ 1.0%	0.12%
Total Impurities	≤ 2.5%	1.0%

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