



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-295288A
Lot Number: SAMPLE
Product Name: L-Histidine Monohydrochloride
CAS Number: 1007-42-7
Molecular Formula: $C_6H_9N_3O_2 \cdot HCl$
Molecular Weight: 228.1

Test	Specification	Result
Appearance	White crystals or crystalline powder	Complies
Identification	Consistent with the reference spectrum	Complies
Purity	99.0 - 101.0%	99.2%
pH	3.50 - 4.5	4.0
Residue on Ignition	$\leq 0.10\%$	$< 0.06\%$
Specific Rotation	$+8.5^\circ - +10.5^\circ$	$+8.9^\circ$
Heavy Metals (Pb)	≤ 15 ppm	< 15 ppm
Loss on Drying	$\leq 0.20\%$	0.14%
Other Amino Acids	$\leq 0.5\%$	$< 0.5\%$
Ammonium	$\leq 0.03\%$	$< 0.03\%$
Arsenic	≤ 1 ppm	< 1 ppm
Chloride	16.66% - 17.08%	16.91%
Iron	≤ 10 ppm	< 10 ppm
Sulfate	$\leq 0.03\%$	$< 0.03\%$

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