



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-499455  
Lot Number: SAMPLE  
Product Name: L-Lysine hydrochloride  
CAS Number: 657-27-2  
Molecular Formula:  $C_6H_{15}ClN_2O_2$   
Molecular Weight: 182.65

Test	Specification	Result
Appearance		Fine white crystalline powder
Identification	Pass	Complies
Purity	98.5 - 101.5%	99.9%
Residual Solvents		No class 1, 2, 3 or other residual solvents are present
Residue after Ignition	$\leq 0.1\%$	$< 0.01\%$
Specific Rotation	$+20.4 - +21.4^\circ$	$+21.3^\circ$
Heavy Metals	$\leq 0.0015\%$	$< 0.0010\%$
Impurity	$\leq 0.5\%$	$< 0.5\%$
Loss on Drying	$\leq 0.4\%$	$< 0.2\%$
Total Impurities	$\leq 2.0\%$	$< 2.0\%$
Chloride	19.0 - 19.6%	19.3%
Iron	$\leq 0.003\%$	$< 0.000298\%$
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](http://www.scbt.com)