



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-202032
Lot Number: SAMPLE
Product Name: α -Lipoic Acid
CAS Number: 1077-28-7
Molecular Formula: $C_8H_{14}O_2S_2$
Molecular Weight: 206.3

Test	Specification	Result
Appearance	Yellowish crystalline powder	Complies
Purity	$\geq 99.0\%$	99.73%
Melting Point	60.0 - 62.0 °C	61.0 °C
Residue on Ignition	$\leq 0.10\%$	0.02%
Specific Rotation	-1.0° - +1.0°	Complies
Heavy Metals	≤ 10 ppm	2 ppm
Loss on Drying	$\leq 0.20\%$	0.14%
Single Impurity	$\leq 0.10\%$	0.07%
Total Ash	$\leq 0.50\%$	0.26%
Cyclohexane	≤ 500 ppm	27 ppm
Ethyl Acetate	≤ 250 ppm	14 ppm
Toluene	≤ 20 ppm	7 ppm
E. Coli	Non detective	Complies
Mold/Yeast	Mold: ≤ 100 per g	13 CFU/G
Salmonella	Non detective	Complies
Total of Bacteria	≤ 1000 per g	140 CFU/G

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