



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-214794  
Lot Number: SAMPLE  
Product Name: D-(-)-Lactic acid  
CAS Number: 10326-41-7  
Molecular Formula:  $C_3H_6O_3$   
Molecular Weight: 90.08

Test	Result
Appearance	White crystals
Enantiomeric Content (GC)	0.2% L-Enantiomer
Identification (TLC)	Consistent with authentic material
Purity (Titration)	97.1%
Purity (TLC)	> 99%
Melting Point	52 °C
Solution	Clear, colorless solution (50 mg/ml in water)
Specific Rotation	-12.1° (365 nm, 24 °C, 8% H <sub>2</sub> O)
Specific Rotation ( $\alpha_{24/D}$ )	-0.4° (8% H <sub>2</sub> O)
Related Substances (TLC)	< 0.1% H-D-Ala-OH
Water Content (KF)	0.8%

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)