



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-215288  
Lot Number: SAMPLE  
Product Name: Maltose solution  
CAS Number: 69-79-4  
Molecular Formula:  $C_{12}H_{22}O_{11}$   
Molecular Weight: 342.30

Test	Specification	Result
Appearance (Color)	Colorless	Complies
Appearance (Turbidity)	Clear colorless	Complies
Appearance (Form)	Liquid	Complies
pH	4.0 - 6.5	5.1
Residue	No residue (filter test)	Complies
Trace metal analysis	Consistent with requirements (ICP)	Complies
Refractive Index (n <sub>20/D</sub> )	1.357 - 1.363	1.361
UV Absorption	$\leq 0.08$ at 260 nm $\leq 0.07$ at 280 nm	0.032 at 260 nm 0.034 at 280 nm
Aluminum	$\leq 1$ mg/kg (ICP)	< 1 mg/kg
Arsenic	$\leq 0.05$ mg/kg (MHS-AAS)	< 0.050 mg/kg
Barium	$\leq 1$ mg/kg (ICP)	< 1 mg/kg
Bismuth	$\leq 1$ mg/kg (ICP)	< 1 mg/kg
Cadmium	$\leq 1$ mg/kg (ICP)	< 1 mg/kg
Calcium	$\leq 20$ mg/kg (ICP)	< 20 mg/kg
Chloride	$\leq 25$ mg/kg	< 25 mg/kg
Chromium	$\leq 1$ mg/kg (ICP)	< 1 mg/kg
Cobalt	$\leq 1$ mg/kg (ICP)	< 1 mg/kg
Copper	$\leq 1$ mg/kg (ICP)	< 1 mg/kg
iron	$\leq 1$ mg/kg (ICP)	< 1 mg/kg

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)

Lead	$\leq 1$ mg/kg (ICP)	< 1 mg/kg
Lithium	$\leq 1$ mg/kg (ICP)	< 1 mg/kg
Magnesium	$\leq 10$ mg/kg (ICP)	< 10 mg/kg
Manganese	$\leq 1$ mg/kg (ICP)	< 1 mg/kg
Molybdenum	$\leq 1$ mg/kg (ICP)	< 1 mg/kg
Nickel	$\leq 1$ mg/kg (ICP)	< 1 mg/kg
Potassium	$\leq 20$ mg/kg (ICP)	< 20 mg/kg
Sodium	$\leq 20$ mg/kg (ICP)	< 20 mg/kg
Strontium	$\leq 1$ mg/kg (ICP)	< 1 mg/kg
Sulfur	$\leq 50$ mg/kg (As SO <sub>4</sub> , ICP)	< 50 mg/kg
Zinc	$\leq 1$ mg/kg (ICP)	< 1 mg/kg
DNase	Not detectable	Complies
Phosphatase	Not detectable	Complies
Protease	Not detectable	Complies
RNase	Not detectable	Complies

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