



## CERTIFICATE OF ANALYSIS

Product Name: **Micropropagation Agar-Type I**

Catalog Number: A038

Molecular Formula:  $C_{12}H_{18}O_5$

Lot Number: 01182011

Storage: 15 to 30°C

CAS Number: 9002-18-0

Retest Date: 30-NOV-2019

Source: *Gracilaria*

<u>Test</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White to Light Yellow Powder	PASS
Identity Test	Passes Test	PASS
Gel Strength	$\geq 900 \text{ g/cm}^2$	1250 $\text{g/cm}^2$
Moisture	$\leq 22.0 \%$	9.5 %
Water Absorption	$\leq 75.0 \text{ mL}$	PASS
Ash	$\leq 5.0 \%$	1.6 %
Insoluble Matter	$\leq 1.0 \%$	PASS
Particle Size (80 mesh)	$\geq 90.0 \%$	PASS
Starch	Passes Test	PASS
Arsenic (As)	$\leq 0.0001 \%$	PASS
Heavy Metals (Pb)	$\leq 0.004 \%$	PASS
Gelatin	Not Detected	PASS
pH	5.00- 8.00	6.00
Plant Growth Test	Passes Test	PASS

**This product meets or exceeds the quality standards established by Caisson Laboratories, Inc.**

*This product is intended for Laboratory Use Only*

Prepared by:

Reviewed by:

Aaron Dryden 1/23/2018  
Quality Control