



CERTIFICATE OF ANALYSIS

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

Catalog Number: A038 Molecular Formula: C₁₂H₁₈O₅
Lot Number: 03172010 Storage: 15 to 30°C
CAS Number: 9002-18-0 Retest Date: 31-JAN-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 (1.5 %, 20°C)	≥ 900 g/cm ²	1250 g/cm ²
Moisture	≤ 22.0 %	9.0 %
Water Absorption	≤ 75.0 mL	PASS
Ash	≤ 5.0 %	1.71 %
Insoluble Matter	≤ 1.0 %	PASS
Particle Size (80 mesh)	> 90.0 %	PASS
Starch	Passes Test	PASS
Arsenic (As)	≤ 0.0001 %	PASS
Heavy Metals (Pb)	≤ 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:

Kylie Loftus 04/04/2017
Quality Control