



CERTIFICATE OF ANALYSIS

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

Catalog Number: A038 Molecular Formula: $(C_{12}H_{18}O_9)_n$
Lot Number: 07192012 Storage: 15 to 30°C
CAS Number: 9002-18-0 Retest Date: 30-JUN-2021
Source: *Gracilaria*, China

<u>Test</u>	<u>Specifications</u>	<u>Results</u>
Appearance	Off-White to Light Yellow Powder	PASS
Identity Test	Passes Test	PASS
Particle Size (80 mesh)	$\geq 90.0 \%$	PASS
Moisture	$\leq 22.0 \%$	9 %
Water Absorption	$\leq 75.0 \text{ mL}$	PASS
Ash	$\leq 5.0 \%$	1 %
Insoluble Matter	$\leq 1.0 \%$	PASS
Gel Strength (1.5%, 20°C)	$\geq 900 \text{ g/cm}^2$	1250 g/cm^2
Starch	Passes Test	PASS
Arsenic (As)	$\leq 0.0001 \%$	PASS
Heavy Metals (Pb)	$\leq 0.004 \%$	PASS
Gelatin	Not Detected	PASS
pH	5.0 - 8.0	6.10
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:

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Kaylee Kowallis 01 August 2019
Quality Control