



CERTIFICATE OF ANALYSIS

Product Name: **Agar, Micropropagation Type II**

Catalog Number: A037	Molecular Formula: C ₁₂ H ₁₈ O ₅
Lot Number: 04172014	Storage: 15 to 30°C
CAS Number: 9002-18-0	Retest Date: 30-JUN-2018
Source: Seaweed	

<u>Test</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White to Cream Powder	PASS
Identity Test	Passes Test	PASS
Particle Size (80 mesh)	> 95.0 %	PASS
Moisture	< 20.0 %	9.29 %
Starch	None Detected	PASS
Foreign Insoluble Matter	< 1.0 %	< 1.0 %
Total Ash	< 6.5 %	2.89 %
Acid Insoluble Ash	< 0.5 %	< 0.5 %
Organic Volatile Impurities	Meets Requirements	PASS
Arsenic	< 3 ppm	< 3 ppm
Heavy Metals	< 40 ppm	< 40 ppm
Lead	< 5 ppm	< 5 ppm
Foreign Organic Matter	< 1.0 %	< 1.0 %
Gelatin	None Detected	PASS
Foreign Starch	None Detected	PASS
Water Absorbtion	< 75 mL	< 75 mL
pH (1.5%, H ₂ O, 60°C)	6.0 - 8.0	6.77
Gel Strength (1.5 %, 25°C)	600 - 1100 g/cm ²	780 g/cm ²
Gelling Point	32.0 - 38.0°C	35°C
E. coli	None Detected	PASS
Salmonella	None Detected	PASS
Plant Tissue Culture Tested	Normal Plant growth	PASS
Bacterial Cell Culture Tested	Normal Bacterial growth	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 06/27/2017
Quality Control