



CERTIFICATE OF ANALYSIS

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

Catalog Number: A037

Molecular Formula: C₁₂H₁₈O₅

Lot Number: 01172005

Source: Seaweed (Gelidium)

CAS Number: 9002-18-0

Storage: 15 to 30°C

Country of Origin: Spain

Retest Date: 30 April 2018

<u>Test</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White to Cream Powder	PASS
Particle Size (US STD. 150 mesh)	Conforms	Conforms
Moisture	< 20 %	9.18 %
Starch	None Detected	PASS
Insoluble Matter	< 1.0 %	< 1.0 %
Total Ash	< 6.5 %	2.75 %
Acid Insoluble Ash	< 0.5 %	< 0.5 %
Organic Volatile Impurities	Meets Requirements	PASS
Arsenic	< 3 ppm	< 3ppm
Heavy Metals	< 40 ppm	< 40 ppm
Lead	< 5 ppm	< 5 ppm
Foreign Organic Matter	< 1.0 %	< 1.0 %
Gelatin	None Detected	PASS
Water Absorbtion	< 75 mL	< 75mL
pH (1.5%, H ₂ O, 60°C)	6.0 - 8.0	6.73
Gel Strength (1.5 %, 25°C)	600 - 1100 g/cm ²	775 g/cm ²
Gel Temperature	32 - 38°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

Becky Kowallis
Quality Control

2/6/2017