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CERTIFICATE OF ANALYSIS

Agar, Micropropagation Type II

Gelidium Agar

Catalog Number: A037
Lot Number: 10202004
CAS Number: 9002-18-0
Source: Spain, *Gelidium*

Molecular Formula: $(C_{12}H_{18}O_9)_n$
Molecular Weight: Not Applicable
Storage: 15° to 30°C
Retest Date: **30-Apr-2022**

Test	Specifications	Results
Appearance	Off-White, Light Yellow to Tan Powder	Pass
Identification	Passes Test	Pass
Particle Size (150 mesh)	Passes Test	Pass
Moisture	≤ 20.0 %	10.4 %
Starch	None Detected	Pass
Insoluble Matter	≤ 1.0 %	< 1.0 %
Total Ash	≤ 6.5 %	3.20 %
Acid Insoluble Ash	≤ 0.5 %	< 0.5 %
Organic Volatile Impurities	Meets Requirements	Pass
Arsenic (As)	≤ 3 ppm	< 3 ppm
Heavy Metals	≤ 40 ppm	< 40 ppm
Lead (Pb)	≤ 10 ppm	< 5 ppm
Foreign Organic Matter	≤ 1.0 %	< 1.0 %
Gelatin	None Detected	Pass
Water Absorption	≤ 75 mL	< 75 mL
pH	6.0 - 8.0	6.27
Gel Strength (1.5 %, 25°C)	600 - 1,100 g/cm ²	735 g/cm ²
Gelling Temperature	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.

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WC

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