



CERTIFICATE OF ANALYSIS

Product Name: **Gellan Gum Type I**

Catalog Number: G038

Source: *Sphingomonas elodea*

Lot Number: 04152016

Storage: 15 to 30°C

CAS Number: 71010-52-1

Retest Date: 31-JAN-2021

<u>Test</u>	<u>Specifications</u>	<u>Results</u>
Appearance	Off-White to Cream Powder	PASS
Identity Test	Passes Test	PASS
Particle Size (80 Mesh)	≥ 95.0 %	99.3 %
Loss on Drying	≤ 10.0 %	8.7 %
Transmittance (0.5 %)	≥ 90.0 %	92.0 %
Gel Strength (0.5 %)	≥ 600 g/cm ²	1042 g/cm ²
Ash	≤ 15.0 %	10.8 %
pH	5.5 - 7.5	5.8
Arsenic (As)	≤ 3 ppm (0.0003 %)	PASS
Lead (Pb)	≤ 2 ppm (0.0002 %)	PASS
Total Bacterial	≤ 3000 cfu/g	PASS
Yeast & Mold	≤ 400 cfu/g	PASS
E.coli	Negative	PASS
Salmonella	Negative	PASS
Gel Test	Clear, Opalescent Gel, No Debris	PASS
Plant Cell Culture Tested	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:

Becky Kowallis 11/28/2018
Quality Control