

# CERTIFICATE OF ANALYSIS

Product Description AGARGELLAN™  
Product Number A133  
Lot Number SUT0133042  
Storage Temperature Room Temperature

## **Physiochemical Specifications:**

| TEST                                                  | SPECIFICATION                                                       | RESULTS                            |
|-------------------------------------------------------|---------------------------------------------------------------------|------------------------------------|
| Solubility                                            | Partially Soluble to Soluble in Water Heated to Boiling             | Passes                             |
| pH (4.50 g/L)                                         | 5.5 – 9.0                                                           | 7.0                                |
| Physical Appearance<br>Color*<br>Texture              | 2148-70 to 2160-70<br>Fine to Coarse Powder                         | 2156-70 Light Cream<br>Fine Powder |
| Solution Appearance After Heating<br>Clarity<br>Color | Clear to Slightly Hazy<br>Colorless to Light Tan                    | Slightly Hazy<br>Light Tan         |
| Insolubles                                            | None                                                                | Passes                             |
| Gel Formation                                         | Forms Gel When Suspend in Appropriate Solvent and Heated to Boiling | Passes                             |
| Compression Break Force Test                          | Force Gauge Measurement (g/cm <sup>2</sup> ) For Information Only   | 71 g/cm <sup>2</sup>               |

\* Product color based upon comparisons between sample and standardized color wheel (Benjamin Moore® Color Preview™).

## **Biological Testing:**

Test Concentration: 4.5 g/L

| TEST SPECIFICATION                                                                                                                                                                            | PLANT CELL LINE       | RESULTS |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------|
| This product is tested with two or more plant cell lines to ensure proper gelling, support, and that there are no phytotoxic impurities that would cause morphological aberrations to plants. | Xanthi Tobacco Callus | Passes  |
|                                                                                                                                                                                               | Achimenes             | Passes  |

The material described in this certificate was manufactured in the United States of America and contains synthetic and plant (seaweed)-derived components. No animal-derived components were used in the manufacture of this product.

**PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. This product is intended for LABORATORY USE ONLY. Our products may NOT BE USED as drugs, cosmetics, agricultural or pesticidal products, food additives or as household chemicals.**

Date of Release: 14-September-2023  
Recommended Shelf-Life Date: August 2028



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