

# CERTIFICATE OF ANALYSIS

Product Description      AGARGELLAN™  
 Product Number        A133  
 Lot Number              HAT0133053  
 Storage Temperature    Room Temperature

**Physiochemical Specifications:**

TEST	SPECIFICATION	RESULTS
Solubility	Fully Dissolved in Water Post Autoclaving for a Minimum of 15 min	Passes
pH (4.50 g/L)	5.5 – 9.0	6.4
Physical Appearance Color* Texture	2148-70 to 2160-70 Fine to Coarse Powder	2148-70 White Fine Powder
Solution Appearance After Heating Clarity Color	Clear to Slightly Hazy Colorless to Light Tan	Slightly Hazy Light Tan
Insolubles	None	Passes
Gel Formation	Forms Gel Following Autoclaving for A Minimum of 15 min	Passes
Compression Break Force Test	Force Gauge Measurement (g/cm <sup>2</sup> ) For Information Only	91.6 g/cm <sup>2</sup>

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

**Biological Testing:**

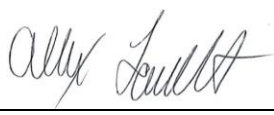
Test Concentration: 4.5 g/L

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
	Parrot Feather	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: 01-August-2025  
 Recommended Shelf-Life Date: August 2033

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