

CERTIFICATE OF ANALYSIS

Product Description	AGAR BACTERIOLOGICAL GRADE
Product Number	A296
Lot Number	HXT0296175
Storage Temperature	Room Temperature
CAS Number	9002-18-0

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Fully Dissolved in Water Post Autoclaving for a Minimum of 15 min	Passes
pH (8.00 g/L)	6.0 – 10.5	7.3
Physical Appearance Color*	2152-70 to 2156-70, 2149-60 to 2155-60, 2151-50 to 2152-50, or HC-6	2152-70 Cream
Texture	Fine to Coarse Powder	Fine Powder
Solution Appearance After Boiling Clarity Color	Clear to Slightly Hazy Light Tan to Light Gray-Green	Clear Light Tan
Insolubles	None	Passes
Gel Formation	Forms Gel Following Autoclaving for a Minimum of 15 min	Passes
Gel Strength	Minimum 900 g/cm ²	920 g/cm ²
Compression Break Force Test	Force Gauge Measurement (g/cm ²) For Information Only	158.0 g/cm ²

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

Biological Testing:


Test Concentration: 8.0 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.	Perilla Fantasy	Passes
	Xanthi Tobacco Callus	Passes

The material described in this certificate is derived from marine algae (seaweed). 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: 15-August-2025
Recommended Shelf-Life Date: August 2033

Prepared by: 
Alex Lambert
Lead Quality Control Laboratory Technician