

CERTIFICATE OF ANALYSIS

Product Description AGAR, PLANT TC
PURIFIED GRADE - GELIDIUM
Product Number A175
Lot Number HKT0175099
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)	5.7 – 8.8	7.3
Physical Appearance Color* Texture	2146-70 to 2153-70 Fine to Coarse Powder	2146-70 White Fine Powder
Solution Appearance After Heating Clarity Color	Clear to Slightly Hazy Colorless to Light Tan	Slightly Hazy Colorless
Insolubles	None	Passes
Gel Strength	Minimum 950 g/cm ²	1080 g/cm ²
Gel Formation	Forms Gel Following Autoclaving for a Minimum of 15 min	Passes
Compression Break Force Test	Force Gauge Measurement (g/cm ²) For Information Only	115.6 g/cm ²
SO ₄ Content	≤1%	0.59%
Ca ²⁺ Content	≤100 ppm	98 ppm
Mg ²⁺ Content	≤50 ppm	46 ppm

* 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.	Parrot Feather	Passes
	Xanthi Tobacco Callus	Passes

The material described in this certificate is derived from marine 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: 02-June-2025

Recommended Shelf-Life Date: June 2033

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