

CERTIFICATE OF ANALYSIS

Product Description AGAR, PLANT TC
PURIFIED GRADE - GELIDIUM
Product Number A175
Lot Number HEE0175097
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	7.1
Physical Appearance Color* Texture	2146-70 to 2153-70 Fine to Coarse Powder	2146-70 Light Tan Fine Powder
Solution Appearance After Heating Clarity Color	Clear to Slightly Hazy Colorless to Light Tan	Slightly Hazy Light Tan
Insolubles	None	Passes
Gel Strength	Minimum 950 g/cm ²	1225 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	74.8 g/cm ²
SO ₄ Content	≤1%	0.83%
Ca ²⁺ Content	≤100 ppm	79 ppm
Mg ²⁺ Content	≤50 ppm	37 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.	Ipomea Batatas	Passes
	H38 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.

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Date of Release: 09-October-2024

Recommended Shelf-Life Date: October 2032



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