

CERTIFICATE OF ANALYSIS

Product Description AGAR, PLANT TC
MICROPROPAGATION GRADE - GRACILARIA
Product Number A111
Lot Number 15K0111143
Storage Temperature Room Temperature
CAS Number 9002-18-0

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water Heated to Boiling	Passes
pH (8.00 g/L)	5.5 – 9.5	6.4
Physical Appearance Color*	2016-70 to 2021-70, 2151-70 to 2156-70, 2150-60 to 2154-60, HC-32, or HC-36	HC32 Tan
Texture	Fine to Coarse Powder	Coarse Powder
Solution Appearance After Heating Clarity Color	Clear to Slight Hazy Colorless to Slight Yellow Tint	Clear Slight Yellow Tint
Insolubles	None	Passes
Gel Strength	Minimum 900 g/cm ²	1110 g/cm ²
Gel Formation	Forms Gel When Suspend in Appropriate Solvent and Heated to Boiling	Passes

* 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.	Tobacco Callus	Passes
	Sugar Cane	Passes

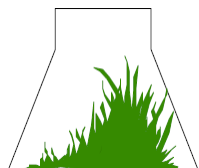
The material described in this certificate is plant-derived (Seaweed). No animal-derived components were used in the manufacture of this product.

Phyto Technology Laboratories® provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. Phyto Technology Laboratories® 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.

Recommended Shelf Life Date: October 2023



Gary Seckinger, Ph.D.



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