

# CERTIFICATE OF ANALYSIS

Product Description      AGAR, PLANT TC  
MICROPROPAGATION GRADE - GRACILARIA  
Product Number          A111  
Lot Number                09M0111081  
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	7.23
Physical Appearance Color*	2016-70 to 2021-70, 2151-70 to 2156-70, 2150-60 to 2154-60, HC-32, or HC-36	2152-60 Cream
Texture	Fine Powder	Fine Powder
Solution Appearance After Heating Clarity Color	Clear to Slight Hazy Colorless	Clear Colorless
Gel Strength	Minimum 900 g/cm <sup>2</sup>	1170 g/cm <sup>2</sup>
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.	Dianthus	Passes
	Syngonium	Passes

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

**PhytoTechnology 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. PhytoTechnology 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: December 2017



Gary Seckinger, Ph.D.



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### **PhytoTechnology Laboratories®**

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