

# CERTIFICATE OF ANALYSIS

Product Description      AGAR, PLANT TC  
MICROPROPAGATION GRADE - GRACILARIA  
Product Number        A111  
Lot Number              15K0111142  
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	5.8
Physical Appearance Color*	2016-70 to 2021-70, 2151-70 to 2156-70, 2150-60 to 2154-60, HC-32, or HC-36	2154-60 Cream
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 <sup>2</sup>	1130 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.	Cape Primrose	Passes
	Lily	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: October 2023



Gary Seckinger, Ph.D.



PhytoTechnology  
Laboratories®  
Dedicated to Growth

### **PhytoTechnology Laboratories®**

Mailing Address: P.O. Box 12205, Shawnee Mission, KS 66282-2205  
Phone: 1-888-749-8682 (1-913-341-5343 *Outside the USA & Canada*)  
Fax: 1-888-449-8682 (1-913-341-5442 *Outside the USA & Canada*)  
Visit our Web Site at <http://www.phytotechlab.com>



Created on 17 November 2015 JN