CERTIFICATE OF ANALYSIS

Product Description	AGAR, PLANT TC MICROPROPAGATION GRADE - GELIDIUM
Product Number	A296
Lot Number	16F0296123
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)	6.5 – 10.5	7.8
Physical Appearance Color* Texture	 2152-70 to 2156-70, 2149-60 to 2155-60, 2151-50 to 2152-50, or HC-6 Fine to Coarse Powder	 2154-70 Cream Fine Powder
Solution Appearance After Heating Clarity Color	 Clear to Slightly Hazy Light Tan to Light Gray-Green	 Slightly Hazy Light Gray-Green
Insolubles	None	Passes
Gel Formation	Forms Gel When Suspended in Appropriate Solvent and Heated to Boiling	Passes
Gel Strength	Minimum 700 g/cm^2	925 g/cm^2
Compression Break Force Test	Force Gauge Measurement (g/cm$^{2)}$ For Information Only	136 g/cm^2

* 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.	African Violet	Passes
	Kalanchoe	Passes

The material described in this certificate is derived from marine algae (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: August 2024

Gary Seckinger, Ph.D.

***Phyto*Technology 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

*Phyto*Technology Laboratories®
Dedicated to Growth

ISO 9001 REGISTERED FIRM

Created On 1 August 2016 JN