CERTIFICATE OF ANALYSIS

Product Description   AGAR, PLANT TC
                                MICROPROPAGATION GRADE - GELIDIUM
Product Number   A296
Lot Number   HEA0296153
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)	6.0 – 10.5	7.1

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
		
		2153-70 Light Tan
		
		Fine Powder

Solution Appearance After Heating
   Clarity
   Color
	
	Clear to Slightly Hazy
	Light Tan to Light Gray-Green
		
		Clear
		Light Grey 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	950 g/cm^2
Compression Break Force Test	Force Gauge Measurement (g/cm$^{2)}$) For Information Only	159.6 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.	Begonia	Passes
	Coreopsis	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.

PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. 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.

Date of Release: 26-October-2020
Recommended Shelf Life Date: October 2028

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