

CERTIFICATE OF ANALYSIS

Product Description AGAR, PLANT TC
MICROPROPAGATION GRADE - GRACILARIA
Product Number A111
Lot Number SUT0111154
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	6.8
Physical Appearance Color*	2016-70 to 2021-70, 2151-70 to 2156-70, 2150-60 to 2154-60, HC-32, or HC-36	HC-32 Tan
Texture	Fine to Coarse Powder	Coarse Powder
Solution Appearance After Heating Clarity Color	Clear to Slightly Hazy Colorless to Slight Yellow Tint	Clear Slight Yellow Tint
Insolubles	None	Passes
Gel Strength	Minimum 900 g/cm ²	1130 g/cm ²
Gel Formation	Forms Gel When Suspend in Appropriate Solvent and Heated to Boiling	Passes
Compression Break Force Test	Force Gauge Measurement (g/cm ²) For Information Only	225 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.	Cape Primrose	Passes
	Achimenes	Passes

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

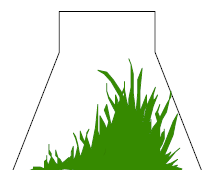
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Date of Release: 11-August-2016

Recommended Shelf Life Date: September 2024



Gary Seckinger, Ph.D.



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