

CERTIFICATE OF ANALYSIS

Product Description AGAR, MICROPROPAGATION/PLANT TISSUE CULTURE GRADE
Product Number A111
Lot Number HMW0111214
Storage Temperature Room Temperature
CAS Number 9002-18-0

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Fully Dissolved In Water Post Autoclaving For A Minimum Of 15 min	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	2151-70 Light Tan Fine Powder
Texture	Fine to Coarse Powder	
Solution Appearance After Heating Clarity Color	Clear to Slightly Hazy Colorless to Slight Yellow Tint	Slightly Hazy Colorless
Insolubles	None	Passes
Gel Strength	Minimum 1000 g/cm ²	1035 g/cm ²
Gel Formation	Forms Gel Following Autoclaving For A Minimum of 15 min	Passes
Compression Break Force Test	Force Gauge Measurement (g/cm ²) For Information Only	251 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.	Xanthi Tobacco Callus	Passes
	Parrot Feather	Passes

The material described in this certificate is plant-derived (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: 17-January-2024

Recommended Shelf-Life Date: January 2032



David Hart
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