

CERTIFICATE OF ANALYSIS

Product Description AGAR, PLANT TC MICROPROPAGATION GRADE –
FROM GRACILARIA SP.
Product Number A111
Lot Number HYG0111221
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 | 6.7 |
| Physical Appearance Color* | 2016-70 to 2021-70, 2151-70 to 2156-70, 2150-60 to 2154-60, HC-32, or HC-36 | 2018-70 Cream |
| Texture | Fine to Coarse Powder | Fine Powder |
| Solution Appearance After Heating Clarity Color | Clear to Slightly Hazy Colorless to Slight Yellow Tint | Slightly Hazy Slight Yellow Tint |
| Moisture | For Information Only | 12.00% |
| Insolubles | None | Passes |
| Gel Strength | Minimum 1000 g/cm ² | 1105 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 | 206.8 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 commonly used as a means of support in plant tissue culture. This product is tested with two or more plant cell lines to ensure proper gelling and that no phytotoxic impurities are present that would produce abnormal morphological plant development. | Perilla Fantasy | Passes |
| | Xanthi Tobacco Callus | 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: 27-February-2026

Recommended Shelf-Life Date: February 2034

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