

CERTIFICATE OF ANALYSIS

| | |
|---------------------|---|
| Product Description | AGAR, PLANT TC MICROPROPAGATION GRADE - GELIDIUM |
| Product Number | A296 |
| Lot Number | HMX0296164 |
| 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 | 7.2 |
| 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 Tan |
| Insolubles | None | Passes |
| Gel Formation | Forms Gel When Suspended in Appropriate Solvent and Heated to Boiling | Passes |
| Gel Strength | Minimum 700 g/cm ² | 910 g/cm ² |
| Compression Break Force Test | Force Gauge Measurement (g/cm ²) For Information Only | 115.6 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. | Perilla Fantasy | Passes |
| | Xanthi Tobacco Callus | 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: 03-February-2023

Recommended Shelf Life Date: February 2031



David Hart
Technical Director

PhytoTech Labs Inc.
14610 W 106TH St. Lenexa, KS 66215
Phone: 1-888-749-8682 or 1-913-341-5343
Fax: 1-888-449-8682 or 1-913-341-5442
Phytotechlab.com