

CERTIFICATE OF ANALYSIS

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|---------------------|-----------------------------------|
| Product Description | AGAR, PLANT TC |
| | MICROPROPAGATION GRADE - GELIDIUM |
| Product Number | A296 |
| Lot Number | ACR0296133 |
| 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 | 6.0 |
| Physical Appearance Color* | 2152-70 to 2156-70, 2149-60 to 2155-60, 2151-50 to 2152-50, or HC-6 | HC-6 Tan |
| Texture | Fine to Coarse Powder | 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 | 950 g/cm ² |
| Compression Break Force Test | Force Gauge Measurement (g/cm ²) For Information Only | 351 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. | Sugar Cane | Passes |
| | Begonia | 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.

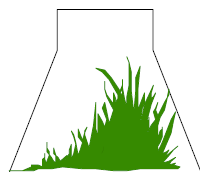
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Date of Release: 8-January-2018

Recommended Shelf Life Date: January-2026



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