

CERTIFICATE OF ANALYSIS

Product Description AGAR, PLANT TC
PURIFIED GRADE - GELIDIUM
Product Number A175
Lot Number ACK0175080
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) | 5.7 – 8.8 | 6.3 |
| Physical Appearance Color* Texture | 2146-70 to 2154-70 Fine to Coarse Powder | 2153-70 Light Cream Fine Powder |
| Solution Appearance After Heating Clarity Color | Clear to Slightly Hazy Colorless to Light Tan | Slightly Hazy Colorless |
| Insolubles | None | Passes |
| Gel Strength | Minimum 700 g/cm ² | 1010 g/cm ² |
| Gel Formation | Forms Gel When Suspended in Appropriate Solvent and Heated to Boiling | Passes |

* 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 |
| | Ajuga | Passes |

The material described in this certificate is derived from marine seaweed. No animal-derived components were used in the manufacture of this product.

PhytoTechnology Laboratories® provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTechnology Laboratories® 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: 07-March-2019

Recommended Shelf Life Date: March 2027



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