# CERTIFICATE OF ANALYSIS

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|---|---|
| Product Description | AGAROSE |
| Product Number | A110 |
| Lot Number | HCG0110015 |
| Storage Temperature | Room Temperature |
| Formula | $(C_{12}H_{14}O_5(OH)_4)_n$ |
| CAS Number | 9012-36-6 |

## Physiochemical Specifications:

| TEST | SPECIFICATION | RESULTS |
|---|---|---|
| Solubility | Soluble in Water Heated to Boiling | Passes |
| pH (7.00 g/L) | Under Development | 7.2 |
| Physical Appearance<br>Color*<br>Texture | <br>PM-1 to PM-4<br>Fine Powder | <br>PM-1 White<br>Fine Powder |
| Solution Appearance After Heating<br>Clarity<br>Color | <br>Clear to Slightly Hazy<br>Colorless | <br>Slightly Hazy<br>Colorless |
| Insolubles | None | Passes |
| Gel Strength | Minimum 800 g/cm$^2$ | 1025 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: 7.00 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. | Parrot Feather | Passes |
| | Xanthi Tobacco Callus | Passse |

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: 11-March-2026
Recommended Shelf-Life Date: March 2034

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