

CERTIFICATE OF ANALYSIS

Product Description AGAROSE
Product Number A110
Lot Number HAX0110011
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 | 6.9 |
| Physical Appearance Color* Texture | PM-1 to PM-3 Fine Powder | PM-1 White Fine Powder |
| Solution Appearance After Heating Clarity Color | Clear to Slightly Hazy Colorless | Slightly Hazy Colorless |
| Insolubles | None | Passes |
| Gel Formation | Forms Gel When Suspended in Appropriate Solvent and Heated to Boiling | Passes |
| Gel Strength (1.5%) | Minimum 800 g/cm ² | 1075 g/cm ² |
| Gelling Temperature (1.5%) | For Information Only | 36.0 °C |
| Sulfate | For Information Only | 0.10% |

* Product color based upon comparisons between sample and standardized color wheel (Benjamin Moore® Color Preview™).

Biological Testing:

Test Concentration: 2.0 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 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: 22-July-2022

Recommended Shelf Life Date: July 2030



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