

CERTIFICATE OF ANALYSIS

Product Description	AGAROSE
Product Number	A110
Lot Number	HYG0110014
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	7.0
Physical Appearance Color* Texture	PM-1 to PM-4 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 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.	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: 27-February-2026
Recommended Shelf-Life Date: February 2034

Prepared by: 
Alex Lambert
Lead Quality Control Laboratory Technician