

# CERTIFICATE OF ANALYSIS

Product Description	AGAROSE
Product Number	A110
Lot Number	AHR0110007
Storage Temperature	Room Temperature
Formula	(C <sub>12</sub> H <sub>14</sub> O <sub>5</sub> (OH) <sub>4</sub> ) <sub>n</sub>
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	6.6
Physical Appearance Color* Texture	RM-1 to RM-3, or RM-31 Fine Powder	PM-4 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 <sup>2</sup>	1200 g/cm <sup>2</sup>
Gelling Temperature (1.5%)	For Information Only	38 °C
Water Content (by Karl Fischer)	For Information Only	9%
EEO (-Mr)	For Information Only	0.10
Sulfate	For Information Only	0.03%

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

## Biological Testing:

Test Concentration: 7.0 g/L

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
This product is tested with two or more tissue cultured plant lines to ensure proper gelling, support, and no phytotoxic impurities that would cause morphological aberrations in plants.	Begonia	Passes
	Sugar Cane	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.

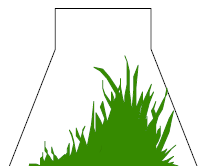
**PhytoTechnology Laboratories® provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTechnology Laboratories® shall not be held liable for any damage resulting from handling or from contact with the above product. 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: 30-April-2018

Recommended Shelf Life Date: April 2026



David S. Hart  
Technical Director



PhytoTechnology  
Laboratories®  
Dedicated to Growth

### PhytoTechnology Laboratories®

Mailing Address: P.O. Box 12205, Shawnee Mission, KS 66282-2205  
 Phone: 1-888-749-8682 (1-913-341-5343 *Outside the USA & Canada*)  
 Fax: 1-888-449-8682 (1-913-341-5442 *Outside the USA & Canada*)  
 Visit our Web Site at <http://www.phytotechlab.com>

