

# CERTIFICATE OF ANALYSIS

Product Description AGAROSE, LOW GELLING TEMP (26-29°C)  
Product Number A105  
Lot Number 09M0105002  
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	7.87
Physical Appearance Color* Texture	RM-1 to RM-3, or RM-31 Fine Powder	RM-1 Off-White Fine Powder
Solution Appearance After Heating Clarity Color	Clear Colorless	Clear Colorless
Insolubles	None	Passes
Gel Formation	Forms Gel When Suspended in Appropriate Solvent and Heated to Boiling	Passes
Gelling Temperature	For Information Only	24-29°C
Gel Strength	Minimum 250 g/cm <sup>2</sup>	Pass

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

## Biological Testing:

Test Concentration: 4.0 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 effects that would cause morphological aberrations to plants.	Tobacco callus	Passes
	Syngonium	Passes

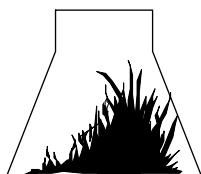
The material described in this certificate is derived from seaweed. No animal-derived components were used in the manufacture of this product.

**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.**

Recommended Shelf Life Date: December 2017



Gary Seckinger, Ph.D.



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>

Created on 1 February 2010