

# CERTIFICATE OF ANALYSIS

Product Description      AGAROSE, HIGH GELLING TEMP  
Product Number          A110  
Lot Number                07H11002  
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	Partial in Hot Water	Passes
pH (7.00 g/L)	Under Development	7.44
Physical Appearance Color*	RM-1 (Super White) RM-1 to RM-3 or RM-31	RM-1 (Super White)
Texture	Fine to Fluffy Powder	Fine Powder
Solution Appearance Clarity Color	Under Development Under Development	White Suspension
Gel Strength	> 800 g/cm <sup>2</sup>	1066 g/cm <sup>2</sup>
Gel Temperature	34 – 45° C	41.5°C

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

## Biological Testing:

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 tissue cultured plant lines to ensure proper gelling, support, and no cytotoxic/phytotoxic effects.	Boston Fern	Passes
	<i>Hosta</i>	Passes

The material described in this certificate was manufactured in the United State of America and is synthetic in nature. No animal or plant components were used in the manufacture of this product.

*PhytoTechnology Laboratories, LLC* 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: August 2010



Scott Stewart, Ph.D.



PhytoTechnology  
Laboratories, LLC  
Dedicated to Growth

### **PhytoTechnology Laboratories, LLC**

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

Created on 9/17/2007, 1:33 PM