

CERTIFICATE OF ANALYSIS

Product Description AGAROSE
Product Number A110
Lot Number 12L0110006
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	6.12
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 to Slightly Hazy Colorless	Clear 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	1200 g/cm ²
Gelling Temperature (1.5%)	For Information Only	38.9 °C
Water Content (by Karl Fischer)	For Information Only	8.9%
EEO (-Mr)	For Information Only	0.10
Sulfate	For Information Only	0.02%

* 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.	Tobacco callus	Passes
	Achimenes	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.

Recommended Shelf Life: November 2020



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 6 Dec 2012 CC