

CERTIFICATE OF ANALYSIS

Product Description	AGAR; Micropropagation/Tissue Culture Grade
Product Number	A111
Lot Number	03B11114
Storage Temperature	Room Temperature
Molecular Weight	NA
Formula	NA
CAS Number	NA

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Partially Soluble in Water	Complies
pH (8.00 g/L)	6.0-8.0	7.54
Physical Appearance		
Color*	2153-70 (Ivory Tusk) 2151-70 to 2155-70	2155-70 (Cotton Tail)
Texture	Grainy Powder	Grainy Powder
Solution Appearance	Nontransparent, Grainy 2144-50 (Silken Pine) 2143-50, 2144-60, 2145-60, or 2145-50	Nontransparent, Grainy 2145-50 (Limesickle)
Particle Size	80-120 mesh	80-120 mesh
Moisture	Less Than 12%	11%
Total Ash	Less Than 5%	2.75%
Gelling Point	34-38° C	35° C
Melting Point	85-98° C	97° C
Viscosity	5-50 cps	20 cps

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

Biological Testing:

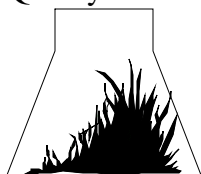
TEST SPECIFICATION	PLANT CELL LINE	RESULTS
Supports and/or facilitates plant growth and/or shoot proliferation in two or more plant tissue cultures	Boston Fern	Passes—supported plant growth and/or shoot proliferation with no morphological aberrations to plants
	Hosta	Passes—supported plant growth and/or shoot proliferation with no morphological aberrations to plants

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

Phyto Technology 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. Phyto Technology 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.

Laura L. Williams

Quality Control Technician



PhytoTechnology
Laboratories, LLC
Dedicated to Growth

PhytoTechnology Laboratories, LLC

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