

# CERTIFICATE OF ANALYSIS

Product Description MURASHIGE & SKOOG BASAL MEDIUM W/ VITAMINS  
Product Number M519  
Lot Number SWS0519172  
Storage Temperature 2-8°C

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water	Passes
pH (4.43 g/L)	3.5 – 4.5	4.1
Physical Appearance Color*	2022-70 to 2026-70, PM-1 to PM-4, or PM-19	2024-70 Light Cream
Texture	Fine Powder	Fine Powder
Solution Appearance Clarity	Clear	Clear
Color	Colorless to Slight Yellow Tint	Slight Yellow Tint
Average Time to Dissolve	For Information Only (Approx. 3 min)	3 min
Insolubles	None	Passes
Moisture	For Information Only	1.10%

\* 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 cultured lines with no morphological aberrations to plants	Tobacco Callus	Passes
	Cape Primrose	Passes

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

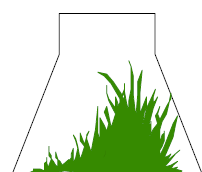
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Date of Release: 8-December-2017

Recommended Shelf Life Date: December 2020



David S. Hart  
Technical Director



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### **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>

