

CERTIFICATE OF ANALYSIS

Product Description MURASHIGE MODIFIED SHOOT MULTIPLICATION BASAL MEDIUM
Product Number M491
Lot Number 13D0491006
Storage Temperature 2-6 °C

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water	Passes
pH (4.68 g/L)	Under Development	4.4
Physical Appearance Color*	2144-70 to 2148-70 2022-70 to 2026-70	2024-70 Light Yellow
Texture	Fine Powder	Fine Powder
Solution Appearance Clarity Color	Clear Colorless to Slight Yellow Tint	Clear Slight Yellow Tint
Average Time to Dissolve	For Information Only (Approx. 60 min)	45 min
Insolubles	None to Few	Passes-Few
Moisture	For Information Only	1.39%

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

** Some insolubles may be present prior to autoclaving, but go into solution during autoclaving.

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	Kalanchoe	Passes
	Lily	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.

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: February 2019



Gary Seckinger, Ph.D.



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