

CERTIFICATE OF ANALYSIS

Product Description MALT EXTRACT
Product Number M474
Lot Number 07G47408
Storage Temperature Room Temperature
Molecular Weight NA
Formula NA
CAS Number 8002-48-0

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water	Soluble in Water
pH (2.00 g/L)	Under Development	5.48
Physical Appearance Color*	HC-12 (Concord Ivory) 2152-60 to 2155-60, 2152-50 to 2155-50, 2152-40 to 2154-40, HC-9, or HC-31	2152-50 (Golden Straw)
Texture	Fine to Granular Powder	Fine Powder
Solution Appearance Clarity Color*	Clear 2024-50 (Jasper Yellow) 2022-50 to 2025-50, 2022-60 to 2027-60, or 2145-60 to 2150-60	Clear 2024-50 (Jasper Yellow)
Average Time to Dissolve	Within 1 min	Within 1 min
Precipitation Formation	None	None

* 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 culture lines with no morphological aberrations to plants	Cattleya Orchid	Passes
	<i>Dendrobium gonzalesii</i>	Passes

The material described in this certificate was manufactured in the United State of America and is plant derived in nature. No animal 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: July 2012

Gary Seckinger

Technical Manager



PhytoTechnology
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Dedicated to Growth

PhytoTechnology Laboratories, LLC

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