

# CERTIFICATE OF ANALYSIS

Product Description 24 – EPIBRASSINOLIDE  
(22*R/S*,23*R/S*,24*R*)-2*A*,3*A*,22,23-TETRAHYDROXY-B-HOMO-  
7-OXA-5A-ERGOSTAN-6-ONE

Product Number E244  
Lot Number 13F0244003  
Storage Temperature -20-0 °C  
Molecular Weight 480.68  
Formula C<sub>28</sub>H<sub>48</sub>O<sub>6</sub>  
CAS Number 78821-43-9

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in DMSO @ 1.0 mg/mL	Passes
Physical Appearance Color* Texture	PM-1 to PM-4 Fine to Coarse Powder	PM-4 White Fine Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	For Information Only (Approx. 5 min)	5 min
Insolubles	None	Passes
Purity by HPLC	Minimum 90.0%	90.8%
FTIR	Conforms to Structure	Passes
Water Content	For Information Only	1.2%

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

## Biological Testing:

Test Concentration: 1.0 mg/L

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
	Achimenes	Passes

The material described in this certificate 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: October 2018



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### **PhytoTechnology Laboratories®**

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