

CERTIFICATE OF ANALYSIS

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

Product Number E244
Lot Number HYY0244005
Storage Temperature -20°C
Molecular Weight 480.68 g/mol
Formula C₂₈H₄₈O₆
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) | Passes |
| Insolubles | None | Passes |
| Purity by HPLC | Minimum 90.0% | 90.30% |
| FTIR | Conforms to Structure | Passes |

* 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 | Xanthi Tobacco Callus | Passes |
| | Perilla Fantasy | Passes |

The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. 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.

Date of Release: 27-February-2023

Recommended Shelf Life Date: August 2025



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