CERTIFICATE OF ANALYSIS

Product Description   *meta*-TOPOLIN
Product Number   T841
Lot Number   15A0841007
Storage Temperature   -20-0 °C
Molecular Weight   241.5
Formula $C_{12}H_{10}N_5OH$
CAS Number   75737-38-1

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in 1 N KOH @ 1 mg/mL	Passes
Physical Appearance Color*	2024-70 to 2028-70, 2144-50 to 2150-50 PM-1 to PM-4	PM-1 Off-white
Texture	Fine Powder, may form clumps	Fine Powder w/ clumps

Solution Appearance
  Clarity
  Color
	
	Clear
	Colorless
		
		Clear
		Colorless

Average Time to Dissolve	Within 1 min	Passes
Insolubles	None to Few	Passes
Purity	Minimum 98.0%	99.4%
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 mg/L

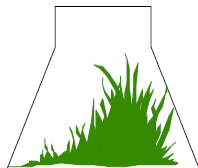| TEST SPECIFICATION	PLANT CELL LINE	RESULTS
Supports and/or facilitates plant growth and/or shoot proliferation in two or more plant tissue cultured lines with no morphological aberrations to plants	Coreopsis	Passes
	Cape Primrose	Passes

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: January 2018

Gary Seckinger

Gary Seckinger, Ph.D.