

# CERTIFICATE OF ANALYSIS

Product Description      *meta*-TOPOLIN  
Product Number        T841  
Lot Number              ATK0841013  
Storage Temperature   -20°C  
Molecular Weight      241.5  
Formula                  C<sub>12</sub>H<sub>10</sub>N<sub>5</sub>OH  
CAS Number             75737-38-1

## **Physiochemical Specifications:**

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in 0.05N KOH @ 1mg/mL	Passes
Physical Appearance Color*	2024-70 to 2028-70, 2144-50 to 2150-50 PM-1 to PM-4	PM-1 White Fine Powder
Texture	Fine Powder, may form clumps	
Solution Appearance Clarity Color	Clear Colorless to Slight Yellow Tint	Clear Colorless
Average Time to Dissolve	For Information Only (Approx. 5 min)	Passes
Insolubles	None to Few	Passes-None
FTIR Results	Conforms to Structure	Passes
Purity	Minimum 98.0%	99.17%

\* 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	Ajuga	Passes
	African Violet	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: 11-December-2019

Recommended Shelf Life Date: December-2022



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