

# CERTIFICATE OF ANALYSIS

Product Description      *meta*-TOPOLIN  
Product Number         T841  
Lot Number                11G0841006  
Storage Temperature    -20-0 °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 1 N KOH @ 1 mg/mL	Passes
Physical Appearance Color*	2024-70 to 2028-70, 2144-50 to 2150-50 RM-1 to RM-3, or RM-31	2028-70 Slight Green Tint
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%

\* 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	Syngonium	Passes
	Ajuga	Passes

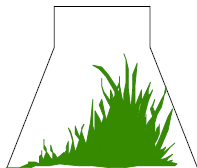
The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

**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: July 2013



Gary Seckinger, Ph.D.



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