

# CERTIFICATE OF ANALYSIS

Product Description      *meta*-TOPOLIN  
Product Number          T841  
Lot Number                ACK0841012  
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<br>Color*           | 2024-70 to 2028-70,<br>2144-50 to 2150-50<br>PM-1 to PM-4 | PM-4 White              |
| Texture                                 | Fine Powder, may form clumps                              | Fine Powder with clumps |
| Solution Appearance<br>Clarity<br>Color | Clear<br>Colorless to Slight Yellow Tint                  | Clear<br>Colorless      |
| Average Time to Dissolve                | For Information Only<br>(Approx. 5 min)                   | Passes                  |
| Insolubles                              | None to Few   | Passes-Few              |
| FTIR Results                            | Conforms to Structure                                     | Passes                  |
| Purity                                  | Minimum 98.0%   | 99.25%                  |

\* 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 | Hosta           | Passes  |
|  | Sugar Cane      | 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.***

Date of Release: 11-March-2019

Recommended Shelf Life Date: March-2022



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