

# CERTIFICATE OF ANALYSIS

Product Description      KINETIN  
 Product Number        K750  
 Lot Number              15F0750012  
 Storage Temperature   -20°C  
 Molecular Weight      215.21 g/mol  
 Formula                 C<sub>10</sub>H<sub>9</sub>N<sub>5</sub>O  
 CAS Number            525-79-1

**Physiochemical Specifications:**

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in 0.05N KOH @ 1.0 mg/mL	Passes
Physical Appearance		
Color*	2018-70 to 2022-70, PM-1 to PM-4	PM-4 White
Texture	Crystalline Powder	Crystalline Powder
Solution Appearance		
Clarity	Clear	Clear
Color	Colorless	Colorless
Average Time to Dissolve	For Information Only (Approx. 1 min)	5 min
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity (HPLC)	Minimum 99.0%	99.30%
Loss on Drying	For Information Only	0.32%

\* Product color based upon comparisons between sample and standardized color wheel (Benjamin Moore® Color Preview™).

**Biological Testing:**

Test Concentration: 5.0 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	Perilla "Fantasy"	Passes
	Begonia	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: 16-June-17  
 Recommended Shelf Life Date: June 2019



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PhytoTechnology  
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