CERTIFICATE OF ANALYSIS

Product Description	KINETIN
Product Number	K750
Lot Number	SXT0750013
Storage Temperature	-20°C
Molecular Weight	215.2 g/mol
Formula	$C_{10}H_9N_5O$
CAS Number	525-79-1

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in 0.05N KOH @ 1 mg/mL	Passes
Physical Appearance Color* Texture	 2018-70 to 2022-70, PM-1 to PM-4 Crystalline Powder	 PM-1 Off-White Crystalline Powder
Solution Appearance Clarity Color	 Clear Colorless to Slight Yellow Tint	 Clear Colorless
Average Time to Dissolve	For Information Only (Approx. 1 min)	1 min
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity (HPLC)	Minimum 99.0%	99.16%
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	Coreopsis	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.

***Phyto*Technology 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. *Phyto*Technology 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: 6-December-2018
Recommended Shelf Life Date: December 2021

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