

CERTIFICATE OF ANALYSIS

Product Description KINETIN
Product Number K750
Lot Number HCY0750015
Storage Temperature -20°C
Molecular Weight 215.2 g/mol
Formula C₁₀H₉N₅O
CAS Number 525-79-1

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in 0.05N KOH @ 1 mg/mL	Passes
Physical Appearance Color*	2018-70 to 2022-70, PM-1 to PM-4	2021-70 Light Cream
Texture	Crystalline Powder	Crystalline Powder
Solution Appearance Clarity Color	Clear Colorless to Slight Yellow Tint	Clear Colorless
Average Time to Dissolve	For Information Only (Approx. 1 min)	Passes
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity (HPLC)	Minimum 99.0%	99.31%
Loss on Drying	For Information Only	0.31%

* 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	Achimenes	Passes
	Tobacco Callus	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: 5-March-2021

Recommended Shelf Life Date: March 2024



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