

# CERTIFICATE OF ANALYSIS

Product Description KINETIN  
Product Number K750  
Lot Number HCY0750015  
Storage Temperature -20°C  
Molecular Weight 215.2  
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 mg/mL	Passes
Physical Appearance Color* Texture	2018-70 to 2022-70, PM-1 to PM-4 Crystalline Powder	2018-70 Yellow Crystalline Powder
Solution Appearance Clarity Color	Clear Colorless to Slight Yellow Tint	Clear Slight Yellow Tint
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity	Minimum 99.0%	99.31%

\* 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: 08-December-2025

Recommended Shelf-Life Date: June 2028

Prepared by:   
Alex Lambert  
Lead Quality Control Laboratory Technician