

CERTIFICATE OF ANALYSIS

Product Description KINETIN
Product Number K750
Lot Number 14H0750011
Storage Temperature -20-0 °C
Molecular Weight 215.2
Formula $C_{10}H_9N_5O$
CAS Number 525-79-1

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in 1 N KOH @ 5.0 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 Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	Within 1 min	Passes
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity (HPLC)	Minimum 99.0%	99.1%

* 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	Cape Primrose	Passes
	Hosta	Passes

The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

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Date of Release: 19-October-2022
Recommended Shelf Life Date: April 2025



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