

CERTIFICATE OF ANALYSIS

Product Description KINETIN
 Product Number K750
 Lot Number AAR0750014
 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	PM-4 White
Texture	Crystalline Powder	Crystalline Powder
Solution Appearance		
Clarity	Clear	Clear
Color	Colorless to Slight Yellow Tint	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	0.35%

* 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	Ajuga	Passes
	Kalanchoe	Passes

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

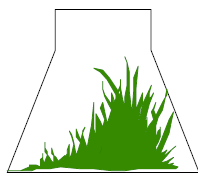
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Date of Release: 12-July-2018

Recommended Shelf Life Date: July 2021



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