

CERTIFICATE OF ANALYSIS

Product Description	KINETIN
Product Number	K750
Lot Number	13D0750010
Storage Temperature	-20-0 °C
Molecular Weight	215.2
Formula	C ₁₀ H ₉ N ₅ O
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, RM-1 to RM-3, or RM-31	RM-31 White
Texture	Crystalline Powder	Crystalline Powder
Solution Appearance		
Clarity	Clear	Clear
Color	Colorless	Colorless
Average Time to Dissolve	Within 1 min	Passes
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity (HPLC)	Minimum 99.0%	99.50%
Loss on Drying	For Information Only	0.23%

* 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	Tobacco callus	Passes
	Hosta	Passes

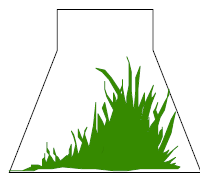
The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

PhytoTechnology 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. PhytoTechnology 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.

Recommended Shelf Life Date: April 2016



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Created on 10 May 2013 DS
Revised on 08 August 2014 DS