

CERTIFICATE OF ANALYSIS

Product Description KINETIN
Product Number K750
Lot Number 08B75006
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 @ 1 mg/mL | Passes |
| Physical Appearance Color* | 2018-70 to 2022-70, RM-1 to RM-3, or RM-31 | RM-1 White |
| Texture | Crystalline Powder | Crystalline Powder |
| Solution Appearance Clarity Color | Clear Colorless | Clear Colorless |
| Average Time to Dissolve | Within 1 min | Passes |
| Precipitation Formation | None | Passes |
| Purity by HPLC | Minimum 99.0% | 99.6% |
| Loss on Drying | For Information Only | 0.04% |
| Melting Point | For Information Only | 267 – 268° C |

* Product color based upon comparisons between sample and standardized color wheel (Benjamin Moore® Color Preview™).

Biological Testing:

| TEST SPECIFICATION | PLANT CELL LINE | RESULTS |
|--|-----------------|---------|
| Supports and/or facilitates plant growth and/or shoot proliferation in two or more plant tissue cultured lines at 3 mg/L with no morphological aberrations to plants | African Violet | 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.

*Phyto*Technology Laboratories, LLC provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. *Phyto*Technology 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: February 2013



Gary Seckinger, Ph.D.



PhytoTechnology
Laboratories, LLC
Dedicated to Growth

PhytoTechnology Laboratories, LLC

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Created on 4/2/2008