

# CERTIFICATE OF ANALYSIS

Product Description      ZEATIN SOLUTION (1 mg/mL)  
                                      *trans* ISOMER  
                                      (2E)-2-METHYL-4-(1H-PURIN-6-YLAMINO)-2-BUTEN-1-OL

Product Number         Z860

Lot Number               10M0860005

Storage Temperature    -20-0°C

Molecular Weight        219.25

Formula                  C<sub>10</sub>H<sub>13</sub>N<sub>5</sub>O

CAS Number               1637-39-4

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Miscible with Water	Passes
pH (Neat)	Under Development	11.61
Physical Appearance		
Color	Colorless	Colorless
Texture	Clear Liquid	Clear Liquid
Insolubles	None	None
Purity (HPLC of Raw Material)	Raw Material: Minimum 98%	99.1%
Sterility by USP <71>	Sterile	Passes

## Biological Testing:

Test Concentration: 1 mL (1 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	Dianthus	Passes
	Royal Frost Birch	Passes

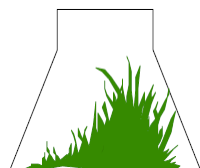
The material described in this certificate was manufactured in the United States of America and is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

**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: December 2012



Gary Seckinger, Ph.D.



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