

# CERTIFICATE OF ANALYSIS

Product Description      ZEATIN RIBOSIDE SOLUTION (1 mg/mL)  
   *trans* ISOMER  
Product Number          Z875  
Lot Number                11H0875010  
Storage Temperature    -20-0°C  
Molecular Weight        351.4  
Formula                    C<sub>15</sub>H<sub>21</sub>N<sub>5</sub>O<sub>5</sub>  
CAS Number               6025-53-2

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Miscible with Water	Passes
pH (Neat)	11.75 – 12.75	11.98
Physical Appearance		
Color	Colorless	Colorless
Texture	Clear Liquid	Clear Liquid
Insolubles	None	Passes
Sterility by USP <71>	Sterile	Passes
Purity (HPLC of Raw Material)	Minimum 98%	98.5%

## Biological Testing:

Test Concentration: 2.0 mL/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	Achimenes	Passes
	African Violet	Passes

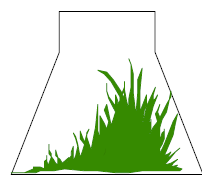
The product described in this certificate was manufactured in the United States of America and is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

***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: August 2013



Gary Seckinger, Ph.D.



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