CERTIFICATE OF ANALYSIS

Product Description	ZEATIN, *trans*-ISOMER (2*E*)-2-METHYL-4-(1H-PURIN-6-YLAMINO)-2-BUTEN-1-OL
Product Number	Z125
Lot Number	HCT0125095
Storage Temperature	-20°C
Molecular Weight	219.25
Formula	$C_{10}H_{13}N_5O$
CAS Number	1637-39-4

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in 0.05 N KOH @ 1 mg/mL	Passes
Physical Appearance		
Color*	PM-1 to PM-4, PM-19, PM-29, HC-30, AC-4, or AC-41	PM-1 White
Texture	Crystalline Powder; may have flakes or clumps	Crystalline Powder
Solution Appearance		
Clarity	Clear	Clear
Color	Colorless to Slight Yellow Tint	Colorless
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity	Minimum 98.0%	99.73%

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

Biological Testing:

Test Concentration: 2.0 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.	Xanthi Tobacco Callus	Passes
	African Violet	Passes

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

PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. 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.

Date of Release: 27-March-2025
Recommended Shelf-Life Date: March 2028

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