

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 ACR0125075
Storage Temperature -20°C
Molecular Weight 219.25g/mol
Formula C₁₀H₁₃N₅O
CAS Number 1637-39-4

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in 0.05 N KOH @ 1 mg/mL	Passes
Physical Appearance Color* Texture	PM-1 to PM-4, PM-19, PM-29 HC-30, AC-4, or AC-41 Crystalline Powder; may have flakes or clumps	PM-4 White Crystalline Powder
Solution Appearance Clarity Color	Clear Colorless to Slight Yellow Tint	Clear Colorless
Average Time to Dissolve	For Information Only (Approx. 5 min)	5 min
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity by HPLC	Minimum 98.0%	99.18%
Loss on Drying	For Information Only	0.28%

* 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.	Achimenes	Passes
	Kalanchoe	Passes

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

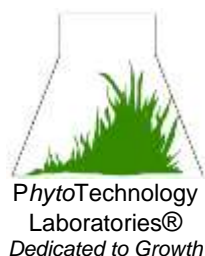
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Date of Release: 14-March-2018

Recommended Shelf Life Date: March 2021



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