

CERTIFICATE OF ANALYSIS

Product Description	ZEATIN RIBOSIDE, <i>trans</i> ISOMER
Product Number	Z899
Lot Number	14F0899028
Storage Temperature	-20-0°C
Molecular Weight	351.4
Formula	C ₁₅ H ₂₁ N ₅ O ₅
CAS Number	6025-53-2

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in 1 N KOH @ 1mg/mL	Passes
Physical Appearance Color*	PM-1 to PM-4, 2143-70 to 2148-70, or 2025-70 to 2029-70	PM-1 Off-White
Texture	Fine to Granular Powder	Granular Powder
Solution Appearance Clarity Color	Clear Colorless to Slight Yellow Tint	Clear Slight Yellow Tint
Average Time to Dissolve	For Information Only (Approx. 1 min)	1 min
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity by HPLC	Minimum 98.0%	99.60%
Loss on Drying	For Information Only	0.05%

* 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	Ajuga	Passes
	Kalanchoe	Passes

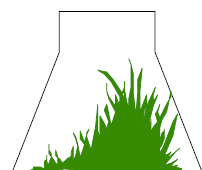
The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

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: July 2018



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