CERTIFICATE OF ANALYSIS

Product Description	ADENINE 6-AMINOPURINE; VITAMIN B_4
Product Number	A120
Lot Number	12G0120003
Storage Temperature	Room Temperature
Molecular Weight	135.13
Formula	$C_5H_5N_5$
CAS Number	73-24-5

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in 1N KOH @ 10 mg/mL	Passes
Physical Appearance Color* Texture	 RM-1 to RM-3 or RM-31 Fine Powder	 RM-1 Off-White Fine Powder
Solution Appearance Clarity Color	 Clear Colorless	 Clear Colorless
Average Time to Dissolve	Within 30 min	Passes
Insolubles	None	Passes
Purity	Minimum 99.0%	100%
Loss on Drying	For Information Only	0.2%

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

Biological Testing:

Test Concentration: 80.0 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	Tobacco callus	Passes
	Achimenes	Passes

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

***Phyto*Technology 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. *Phyto*Technology 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 2020

Gary Seckinger, Ph.D.

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