CERTIFICATE OF ANALYSIS

Product Description	KAO & MICHAYLUK VITAMIN SOLUTION (100x)
Product Number	K421
Lot Number	15K0421008
Storage Temperature	-20- 0 ˚C

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Miscible with Water	Passes
pH (Neat)	3.5-7.0	6.3
Physical Appearance Color* Texture	 2024-10 to 2024-50 Clear Liquid	 2024-40 Yellow w/ Green Tint Clear Liquid
Insolubles	None	Passes
Sterility by USP <71>	Sterile	Passes

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

Biological Testing:

Test Concentration: 10 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	Ajuga	Passes
	Cape Primrose	Passes

The material 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.

***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: March 2018

Gary Seckinger, Ph.D.

P*hyto*Technology Laboratories®
Dedicated to Growth

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