CERTIFICATE OF ANALYSIS

Product Description	MALEIC ACID HYDRAZIDE
Product Number	M494
Lot Number	14G0494002
Storage Temperature	Room Temperature
Molecular Weight	112.10
Formula	$C_4H_4N_2O_2$
CAS Number	123-33-1

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
pH	Under Development	7.0
Physical Appearance		
Color*	2143-70 to 2151-70 or PM-1 to PM-3, or PM-19	PM-3 White
Texture	Fine Powder	Fine Powder
Solution Appearance		
Clarity	Clear	Clear
Color	Colorless	Colorless
Average Time to Dissolve	Within 20 min	Passes
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes

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

Biological Testing:

Test Concentration: 50 mg/L

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
This product may or may not support tissue growth. It is tested with two or more plant cell lines to ensure there are no gross phytotoxic impurities that would cause morphological aberrations to plants	African Violet	Passes
	Hosta	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 2022

Gary Seckinger, Ph.D.

***Phyto*Technology Laboratories®**
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ISO 9001 REGISTERED FIRM

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