

CERTIFICATE OF ANALYSIS

Product Description MALEIC ACID HYDRAZIDE
Product Number M494
Lot Number 00F49401
Storage Temperature Room Temperature
Molecular Weight 112.10
Formula C₄H₄N₂O₂
CAS Number 123-33-1

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in DMSO @ 50 mg/mL	Passes
pH	Under Development	7.0
Physical Appearance Color*	2143-70 to 2151-70 or RM-1 to RM-4	RM-1 Off-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 is tested with two or more plant cell lines to ensure there are no phytotoxic impurities that would cause morphological aberrations to plants.	Tobacco Callus	Passes
	African Violet	Passes

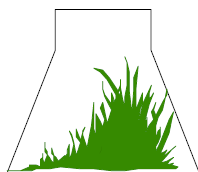
The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

PhytoTechnology Laboratories, LLC 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: September 2018



Gary Seckinger, Ph.D.



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