

CERTIFICATE OF ANALYSIS

Product Description MALEIC ACID HYDRAZIDE
Product Number M494
Lot Number 14G0494002
Storage Temperature Room Temperature
Molecular Weight 112.10
Formula C₄H₄N₂O₂
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 Color	Clear Colorless	Clear 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.

PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. 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.

Date of Release: 11-October-2021

Recommended Shelf Life Date: October 2026



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