

CERTIFICATE OF ANALYSIS

Product Description MALEIC ACID HYDRAZIDE
Product Number M494
Lot Number HTT0494003
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	8.8
Physical Appearance Color*	2143-70 to 2151-70 or PM-1 to PM-3, or PM-19	PM-1 White
Texture	Fine Powder	Fine Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	For Information Only (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: 50.0 mg/L


TEST SPECIFICATION	PLANT CELL LINE	RESULTS
Supports and/or facilitates shoot growth and/or rooting/callus formation in two or more plant tissue culture lines with no morphological aberrations to plants	Perilla Fantasy	Passes
	Xanthi Tobacco Callus	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: 12-December-2025

Recommended Shelf-Life Date: December 2033

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