

CERTIFICATE OF ANALYSIS

Product Description ACETOSYRINGONE
4-HYDROXY-3',5'-DIMETHOXYACETOPHENONE
Product Number A104
Lot Number 15L0104026
Storage Temperature Room Temperature
Molecular Weight 196.20
Formula $C_{10}H_{12}O_4$
CAS Number 2478-38-8

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in DMSO @ 10 mg/mL	Passes
Physical Appearance Color*	2155-50, AC-4, AC-7, AC-41, AC-42, PM-27, HC-84, or HC-173	2155-50 Pale Yellow
Texture	Fine to Coarse Crystalline Powder; may form Clumps	Coarse Powder
Solution Appearance Clarity	Clear	Clear
Color	Colorless to Slight Yellow Tint	Slight Yellow Tint
Average Time to Dissolve	Within 1 min	Passes
Insolubles	None	Passes
Purity	Minimum 98.0%	98.60%
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 effects which would produce morphological aberrations to plants	Sugar Cane	Passes
	Tobacco Callus	Passes

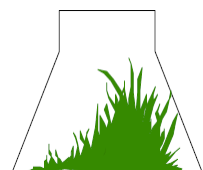
The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

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: November 2023



Gary Seckinger, Ph.D.



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