

# CERTIFICATE OF ANALYSIS

Product Description ACETOSYRINGONE  
4-HYDROXY-3',5'-DIMETHOXYACETOPHENONE  
Product Number A104  
Lot Number HHT0104045  
Storage Temperature Room Temperature  
Molecular Weight 196.20  
Formula C<sub>10</sub>H<sub>12</sub>O<sub>4</sub>  
CAS Number 2478-38-8

## Physicochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in DMSO @ 10 mg/mL	Passes
Physical Appearance Color*	AC-4, AC-7, AC-41, AC-42, PM-1 to PM-4, PM-19, PM-27 to PM-29, 2154-50 to 2155-50, 2018-60 to 2022-60	PM-1 White
Texture	Fine to Coarse Crystalline Powder; may form Clumps	Fine Powder
Solution Appearance Clarity Color	Clear Colorless to Slight Yellow Tint	Clear Slight Yellow Tint
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity	Minimum 98.0%	≥98.0%

\* 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
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	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: 07-April-2025

Recommended Shelf-Life Date: April 2033

Prepared by:   
Alex Lambert  
Lead Quality Control Laboratory Technician