

# CERTIFICATE OF ANALYSIS

Product Description ACETOSYRINGONE  
4-HYDROXY-3',5'-DIMETHOXYACETOPHENONE  
Product Number A104  
Lot Number HXE0104041  
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

## **Physiochemical 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	2155-70 Off-White Fine Powder
Texture	Fine to Coarse Crystalline Powder; may form Clumps	
Solution Appearance Clarity Color	Clear Colorless to Slight Yellow Tint	Clear Colorless
Average Time to Dissolve	For Information Only (Within 1 min)	Passes
Insolubles	None	Passes
Purity	Minimum 98.0%	99.89%
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	Parrot Feather	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: 13-August-2024

Recommended Shelf-Life Date: August 2032



David Hart  
Technical Director