

# CERTIFICATE OF ANALYSIS

Product Description ACETOSYRINGONE  
4-HYDROXY-3',5'-DIMETHOXYACETOPHENONE  
Product Number A104  
Lot Number 09F0104018  
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<br>Color*           | AC-4, AC-7, AC-41, AC-42, RM-30, HC-84, or HC-173  | 2155-50 Tan w/a Yellow Cast |
| Texture                                 | Fine to Coarse Crystalline Powder; may form Clumps | Fine Powder                 |
| Solution Appearance<br>Clarity<br>Color | Clear<br>Colorless                                 | Clear<br>Colorless          |
| Average Time to Dissolve                | Within 1 min                                       | Passes                      |
| Insolubles                              | None   | Passes                      |
| Purity                                  | Minimum 98.0%                                      | 99.21%                      |

\* 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 | Birch           | Passes  |
|  | Hosta           | Passes  |

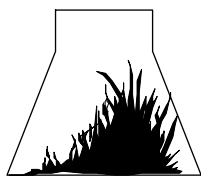
The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

**PhytoTechnology 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. PhytoTechnology 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: June 2017



Gary Seckinger, Ph.D.



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### PhytoTechnology Laboratories®

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