

# CERTIFICATE OF ANALYSIS

Product Description ACETOSYRINGONE  
4-HYDROXY-3',5'-DIMETHOXYACETOPHENONE  
Product Number A104  
Lot Number SRS0104027  
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<br>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<br>Clarity<br>Color | Clear<br>Colorless to Slight Yellow Tint                   | Clear<br>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 | Kalanchoe       | Passes  |
|  | Cape Primrose   | Passes  |

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

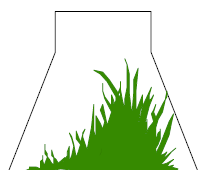
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Date of Release: 23-June-2017

Recommended Shelf Life Date: June-2025



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### **PhytoTechnology Laboratories®**

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