

CERTIFICATE OF ANALYSIS

Product Description ACETOSYRINGONE 100MM SOLUTION
Product Number A1104
Lot Number 11D1104001
Storage Temperature 2-6°C
Molecular Weight 196.20
Formula C₁₀H₁₂O₄
CAS Number 2478-38-8

Physiochemical Specifications:

| TEST | SPECIFICATION | RESULTS |
|------------------------|-------------------|-------------------|
| Solubility | Under Development | Miscible in Water |
| pH (Neat) | Under Development | 9.02 |
| Physical Appearance | | |
| Color* | Under Development | Light Yellow |
| Texture | Under Development | Clear Liquid |
| Insolubles | Under Development | None |
| Purity of Raw Material | Minimum 98.0% | 99.12% |

* Product color based upon comparisons between sample and standardized color wheel (Benjamin Moore® Color Preview™).

Biological Testing:

| TEST SPECIFICATION | PLANT CELL LINE | RESULTS |
|--|-----------------|---------|
| Supports and/or facilitates plant growth and/or shoot proliferation in two or more plant tissue cultured lines with no morphological aberrations to plants | Lily | Passes |
| | Syngonium | Passes |

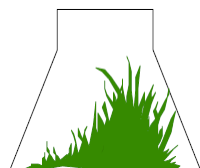
The material described in this certificate was manufactured in the United States of America and is synthetic in nature. No animal- or plant-derived components were used in the manufacture of this product.

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: April 2013



Gary Seckinger, Ph.D.



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