

# CERTIFICATE OF ANALYSIS

Product Description      DICAMBA  
Product Number        D159  
Lot Number              05G15913  
Storage Temperature    2-6° C  
Molecular Weight       221.04  
Formula                 C<sub>8</sub>H<sub>6</sub>Cl<sub>2</sub>O<sub>3</sub>  
CAS Number             1918-00-9

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water 1 mg/mL	Passes
pH	Under Development	3.80
Physical Appearance		
Color*	RM-1 to RM-3, RM-31, or 2152-60 to 2162-60	2152-50 Light Tan
Texture	Crystalline Powder to Crystals	Crystalline Powder w/ Larger Crystals
Solution Appearance		
Clarity	Clear	Clear
Color	Colorless	Colorless
Average Time to Dissolve	Within 15 min	Passes
Insolubles	None	Passes
Purity	Minimum 97.5%	98.1%

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

## Biological Testing:

Test Concentration: 1.0 mg/L

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
Supports and/or facilitates plant growth and/or callus formation in two or more plant tissue cultured lines with no morphological aberrations to plants	Boston Fern	Passes
	Syngonium	Passes

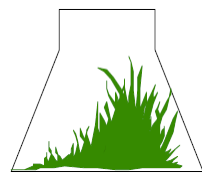
The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

**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: July 2013



Gary Seckinger, Ph.D.



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### **PhytoTechnology Laboratories®**

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Created on 18 August 2005  
Revised 10 September 2010