

# CERTIFICATE OF ANALYSIS

Product Description GIBBERELIC ACID SOLUTION (13 mg/mL) (13,000 ppm)  
GA<sub>3</sub>; GIBBERELLIN A<sub>3</sub>  
Product Number G362  
Lot Number 11D0362011  
Storage Temperature 2-6 °C  
Molecular Weight 346.41  
Formula C<sub>19</sub>H<sub>22</sub>O<sub>6</sub>  
CAS Number 77-06-5

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Miscible with Water @ 10.0 mg/mL	Passes
pH (Neat)	12.25 – 13.25	12.91
Physical Appearance		
Color	Colorless to Slight Yellow Tint	Colorless
Texture	Clear Liquid	Clear Liquid
Sterility by USP <71>	Sterile	Passes
Insolubles	None	Passes

## Biological Testing:

Test Concentration: 0.40 mL/L

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
Supports and/or facilitates plant growth and/or shoot proliferation/ elongation in two or more plant tissue cultured lines with no morphological aberrations to plants	Boston Fern	Passes
	Hosta	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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### PhytoTechnology Laboratories®

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