

# CERTIFICATE OF ANALYSIS

Product Description (+/-)-ABSCISIC ACID  
MIXED (CIS-TRANS) ISOMER; S-ABA; (2Z,4E)-5-[(1S)-HYDROXY-2,6,6,-TRIMETHYL-4-OXO-2-CYCLOHEXEN-1-YL]-3-METYL-2,4-PENTADIENOIC ACID

Product Number A102  
Lot Number 11E0102062  
Storage Temperature -20-0 °C  
Molecular Weight 264.32  
Formula C<sub>15</sub>H<sub>20</sub>O<sub>4</sub>  
CAS Number 14375-45-2

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in 1 N KOH @10 mg/mL	Passes
Physical Appearance Color*	2022-70 to 2026-70, 2152-70 RM-1 to RM-3, or RM-31	RM-31 White
Texture	Fine to Coarse Powder	Fine Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	Within 5 min	Passes
Insolubles	None	Passes
Purity	Minimum 98%	99.0%
FTIR	Conforms to Structure	Passes

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

## Biological Testing:

Test Concentration: 10 mg/L

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
This product may or may not support tissue growth. This product is tested with two or more plant cell lines to ensure there are no phytotoxic impurities exhibited by morphological aberrations to the plants	Dianthus	Passes
	Tobacco callus	Passes

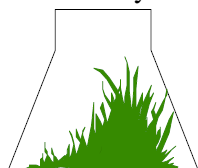
The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

**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 2014



Gary Seckinger, Ph.D.



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### **PhytoTechnology Laboratories®**

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Created on 13 June 2011 PN  
Revised on 8 Feb 13 DS