CERTIFICATE OF ANALYSIS

Product Description	(+/-)-ABSCISIC ACID MIXED (CIS-TRANS) ISOMERS; 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	16E0102066
Storage Temperature	-20-0 ˚C
Molecular Weight	264.32
Formula	$C_{15}H_{20}O_4$
CAS Number	14375-45-2

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in 1 N KOH @10 mg/mL	Passes
Physical Appearance Color* Texture	 2022-70 to 2026-70, 2152-70 PM-1 to PM-4 Fine to Coarse Powder	 PM-1 Off-White Fine Powder
Solution Appearance Clarity Color	 Clear Colorless to Slight Yellow Tint	 Clear Slight Yellow Tint
Average Time to Dissolve	For Information Only (Approx. 5 min)	5 min
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity	Minimum 95%	95.5 %

* 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	Hosta	Passes
	Ajuga	Passes

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

***Phyto*Technology 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. *Phyto*Technology 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 2021

Gary Seckinger, Ph.D.

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ISO 9001 REGISTERED FIRM

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