

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 HCW0102076
Storage Temperature -20°C
Molecular Weight 264.32
Formula C₁₅H₂₀O₄
CAS Number 21293-29-8

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 PM-1 to PM-4	2024-70 Pale Yellow Fine Powder
Texture	Fine to Coarse Powder	
Solution Appearance Clarity Color	Clear Colorless to Slight Yellow Tint	Clear Colorless
Average Time to Dissolve	For Information Only (Approx. 5 min)	Passes
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity	Minimum 95%	95.80%

* 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	Xanthi Tobacco Callus	Passes
	Achimenes	Passes

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

PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. shall not be held liable for any pdamage 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.

Date of Release: 16-March-2023

Recommended Shelf Life Date: March 2026



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