

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 HWX0102074
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 | 2152-70 Off White 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: 13-June-2022

Recommended Shelf Life Date: June 2025



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