

# CERTIFICATE OF ANALYSIS

Product Description      INDOLE-3-ACETIC ACID  
IAA; HETEROAUXIN  
Product Number        I885  
Lot Number            HYY0885015  
Storage Temperature   -20°C  
Molecular Weight      175.19  
Formula                C<sub>10</sub>H<sub>9</sub>NO<sub>2</sub>  
CAS Number            87-51-4

## **Physiochemical Specifications:**

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in 1N KOH @ 1 mg/mL	Passes
Physical Appearance Color*	2092-70 to 2098-70 or 2157-70 to 2165-70	2159-70 Cream
Texture	Fine to Coarse Powder or Flake	Fine Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	For Information Only (Within 1 min)	Passes
Insolubles	None	Passes
Purity	Minimum 97.0%	99.26%
FTIR	Conforms to Structure	Passes

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

## **Biological Testing:**

Test Concentration: 2 mg/L

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
Supports and/or facilitates plant growth and/or rooting/callus formation in two or more plant tissue cultured lines with no morphological aberrations to plants	Coreopsis	Passes
	Begonia	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 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.**

Product Release Date: 26-September-2023  
Recommended Shelf-Life Date: March 2026



David Hart  
Technical Director

**PhytoTech Labs Inc.**  
14610 W 106<sup>TH</sup> St. Lenexa, KS 66215  
Phone: 1-888-749-8682 or 1-913-341-5343  
Fax: 1-888-449-8682 or 1-913-341-5442  
Phytotechlab.com