



# CERTIFICATE OF ANALYSIS

Bottled in the District of Columbia, United States of America; **January 2024**

## INDOLE-3-ACETIC ACID

**Product Description** : Indole-3-Acetic Acid (IAA)  
**Product Number** :  
**Batch Number** : 20240105  
**CAS Number** : 87-51-4  
**Formula** :  $C_{12}H_{13}NO_2$   
**Molecular Weight** : 175.19  
**Shelf Life** : January 2027.  
**Storage Temperature** : -20° C

TEST	SPECIFICATION	RESULTS
Physical Appearance/Texture; Solution Appearance/Texture	Light tan/Fine Powder; Colorless/Liquid	<b>PASSES</b>
Purity %	>= 97	98.3
Loss On Drying %	<= 0.5	0.3
Melting Point	166 ~ 169° C	168.0 ~ 168.7
Solubility	Soluble in 1N KOH @ 1 mg/mL	<b>PASSES</b>
Insolubility	None	<b>PASSES</b>
Average Time to Dissolve	Under 1 minute.	<b>PASSES</b>

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.	Philodendron	<b>PASSES</b>
	Monstera	<b>PASSES</b>

Plant Cell Technology provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained plant tissue culturist. Plant Cell Technology 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.

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