

# CERTIFICATE OF ANALYSIS

Product Description      INDOLE-3-ACETIC ACID  
IAA; HETEROAUXIN  
Product Number        I885  
Lot Number            15C0885012  
Storage Temperature   -20-0 °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	2162-70 Light Beige
Texture	Fine to Coarse Powder or Flake	Fine Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	For Information Only	5 min
Insolubles	None	Passes
Purity	Minimum 97.0%	99.19%
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	Achimenes	Passes
	Tobacco Callus	Passes

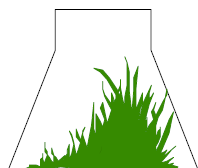
The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

**PhytoTechnology 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. PhytoTechnology 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: January 2019



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### **PhytoTechnology Laboratories®**

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Created on 24 April 2015 JN  
Revised on 6 February 2017 JN