

CERTIFICATE OF ANALYSIS

Product Description INDOLE-3-BUTYRIC ACID
IBA; 4-[3-INDOLYL]BUTYRIC ACID
Product Number I538
Lot Number HYW0538038
Storage Temperature 2-8°C
Molecular Weight 203.24 g/mol
Formula C₁₂H₁₃NO₂
CAS Number 133-32-4

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in 1N KOH @ 1 mg/mL	Passes
Physical Appearance Color*	2156-60 to 2162-60 or 2156-70 to 2162-70, PM-1 to PM-4	2156-70 Off-White
Texture	Fine to Crystalline Powder	Fine Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	For Information Only (Approx. 1 min)	Passes
Insolubles	None	Passes
FTIR	Conform to Structure	Passes
Purity by HPLC	Minimum 98%	98.32%
Loss on Drying	For Information Only	0.23%

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

Biological Testing:

Test Concentration: 2.0 mg/L

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
Supports and/or facilitates shoot growth and/or rooting/callus formation in two or more plant tissue culture lines at 1 mg/mL with no morphological aberrations to plants	Perilla Fantasy	Passes
	Xanthi 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.

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.

Date of Release: 10-February-2023

Recommended Shelf Life Date: February 2028



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