

# CERTIFICATE OF ANALYSIS

Product Description      INDOLE-3-BUTYRIC ACID  
IBA; 4-[3-INDOLYL]BUTYRIC ACID  
Product Number        I538  
Lot Number            HCX0538035  
Storage Temperature    2-8°C  
Molecular Weight       203.24 g/mol  
Formula                C<sub>12</sub>H<sub>13</sub>NO<sub>2</sub>  
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	PM-4 White
Texture	Fine to Crystalline Powder	Crystalline 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%	98.80%
Loss on Drying	For Information Only	0.18%

\* 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	Ajuga	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: 4-April-2022

Recommended Shelf Life Date: April 2027



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