

# CERTIFICATE OF ANALYSIS

Product Description      INDOLE-3-BUTYRIC ACID SOLUTION (1 mg/mL)  
                                  IBA; 4-[3-INDOLYL]BUTYRIC ACID  
Product Number         I460  
Lot Number              SPS0460017  
Storage Temperature    -20°C  
Molecular Weight       203.24  
Formula                 C<sub>12</sub>H<sub>13</sub>NO<sub>2</sub>  
CAS Number             133-32-4

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Miscible with Water	Passes
pH (Neat)	For Information Only	11.5
Physical Appearance		
Color	Colorless	Colorless
Texture	Clear Liquid	Clear Liquid
Insolubles	None	Passes
Sterility by USP <71>	Sterile	Passes

## Biological Testing:

Test Concentration: 2.0 mL (2.0mg)/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	Perilla "Fantasy"	Passes
	Kalanchoe	Passes

The material described in this certificate was manufactured in the United States of America and 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.**

Date of Release: 07April 2017

Recommended Shelf Life Date: April 2020



David S. Hart  
Technical Director



PhytoTechnology  
Laboratories®  
Dedicated to Growth

### **PhytoTechnology Laboratories®**

Mailing Address: P.O. Box 12205, Shawnee Mission, KS 66282-2205  
Phone: 1-888-749-8682 (1-913-341-5343 *Outside the USA & Canada*)  
Fax: 1-888-449-8682 (1-913-341-5442 *Outside the USA & Canada*)  
Visit our Web Site at <http://www.phytotechlab.com>

