

# CERTIFICATE OF ANALYSIS

Product Description      INDOLE-3-BUTYRIC ACID, POTASSIUM SALT; K-IBA  
Product Number         I560  
Lot Number                04M56011  
Storage Temperature     2-6° C  
Molecular Weight         241.3  
Formula                    C<sub>12</sub>H<sub>12</sub>NO<sub>2</sub>K  
CAS Number                60096-23-3

## Physiochemical Specifications:

| TEST                          | SPECIFICATION              | RESULTS                    |
|-------------------------------|----------------------------|----------------------------|
| Solubility in Water @ 1 mg/mL | Soluble in Water           | Passes                     |
| pH                            | Under Development          | 6.70                       |
| Physical Appearance           |                            |                            |
| Color*                        | 2152-70 to 2156-70         | 2155-70 Slight Yellow Tint |
| Texture                       | Fine to Crystalline Powder | Crystalline Powder         |
| Solution Appearance           |                            |                            |
| Clarity                       | Clear                      | Clear                      |
| Color                         | Colorless                  | Colorless                  |
| Average Time to Dissolve      | Within 1 min               | Passes                     |
| Insolubles                    | None                       | Passes                     |
| Purity                        | Minimum 98.0%              | 98.5%                      |

\* 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 plant growth and/or rooting/callus formation in two or more plant tissue cultures lined with no morphological aberrations to plants. | Cape Sundew     | Passes  |
|  | Hosta           | Passes  |

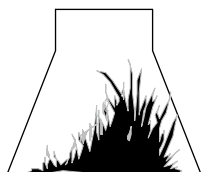
The material described in this certificate was manufactured in the United State of America and is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

**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.**

Recommended Shelf Life Date: February 2013



Gary Seckinger, Ph.D.



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### **PhytoTechnology Laboratories®**

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