

CERTIFICATE OF ANALYSIS

Product Description INDOLE-3-BUTYRIC ACID
IBA; 4-[3-INDOLYL]BUTYRIC ACID
Product Number I538
Lot Number AYK0538026
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	2160-70 Light cream
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)	1 min
Insolubles	None	Passes
FTIR	Conform to Structure	Passes
Purity by HPLC	Minimum 98%	98.16%
Loss on Drying	For Information Only	0.22%

* 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	Kalanchoe	Passes
	Coreopsis	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.

Date of Release: 1-March-2019

Recommended Shelf Life Date: March 2024



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