CERTIFICATE OF ANALYSIS

Product Description	PACLOBUTRAZOL 1-*tert*-BUTYL-2-(P-CHLOROBENZYL)-2-(1,2,4-TRIAZOL-1-YL)ETHANOL
Product Number	P687
Lot Number	15L0687006
Storage Temperature	Room Temperature
Molecular Weight	293.80
Formula	$C_{15}H_{20}ClN_3O$
CAS Number	76738-62-0

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in DMSO @ 1 mg/mL	Passes
Physical Appearance		
Color*	2143-70 to 2147-70, PM-1 to PM-4, or PM-19	PM-4 White
Texture	Fine Powder	Fine Powder
Solution Appearance		
Clarity	Clear	Clear
Color	Colorless	Colorless
Average Time to Dissolve	For Information Only (Approx. 3 min)	3 min
Insolubles	None	Passes
Purity by HPLC	Minimum 95.0%	95.5%

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

Biological Testing:

Test Concentration: 1.0 mg/L

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
This product is tested with two or more plant cell lines to ensure there are no phytotoxic impurities that would cause morphological aberrations to plants	Sugar Cane	Passes
	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.

***Phyto*Technology 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. *Phyto*Technology 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: November 2023

Gary Seckinger, Ph.D.

P*hyto*Technology Laboratories®
Dedicated to Growth

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Created on 17 December 2015 JN