

# 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 08G68704  
Storage Temperature Room Temperature Formula C<sub>15</sub>H<sub>20</sub>ClN<sub>3</sub>O  
Molecular Weight 293.80 CAS Number 76738-62-0

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in DMSO @ 1.0 mg/mL	Passes
Physical Appearance Color*	2143-70 to 2147-70, RM-1 to RM-4, or RM-31	2146-70 Light Cream
Texture	Fine Powder	Fine Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	Within 1 min	Passes
Insolubles	None	Passes
Purity by HPLC	Minimum 95%	95.4%
Loss on Drying	For Information Only	0.47%

\* 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	Boston Fern	Passes
	Hosta	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, LLC 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: July 2013



Gary Seckinger, Ph.D.



PhytoTechnology  
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Dedicated to Growth

### **PhytoTechnology Laboratories, LLC**

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