

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 09M0687005
Storage Temperature Room Temperature
Molecular Weight 293.80
Formula C₁₅H₂₀ClN₃O
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, RM-1 to RM-4, or RM-31	RM-1 Off-White
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 95.0%	95.3%

* 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	Tobacco callus	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® 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: December 2017



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