CERTIFICATE OF ANALYSIS

Product Description	THIDIAZURON 1-PHENYL-3-(1,2,3-THIADIAZOL-5-YL)UREA; TDZ
Product Number	T888
Lot Number	10C0888028
Storage Temperature	-20-0 ˚C
Molecular Weight	220.3
Formula	$C_9H_8N_4OS$
CAS Number	51707-55-2

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in DMSO @ 10 mg/mL	Passes
Physical Appearance Color* Texture	 2020-60, PM-1 to PM-4, PM-19 Fine Powder; may form Clumps	 2024-60 Light Yellow Fine Powder, w/ clumps
Solution Appearance Clarity Color	 Clear Colorless to Slight Yellow Tint	 Clear Slight Yellow Tint
Average Time to Dissolve	For Information Only (Approx. 1 min)	1 min
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity	Minimum 98%	98.2%

* 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
Supports and/or facilitates plant growth and/or shoot proliferation in two or more plant tissue cultured lines with no morphological aberrations to plants	African Violet	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.

***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: December 2017

Gary Seckinger, Ph.D.

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Dedicated to Growth

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