

CERTIFICATE OF ANALYSIS

Product Description THIDIAZURON
1-PHENYL-3-(1,2,3-THIADIAZOL-5-YL)UREA; TDZ
Product Number T438
Lot Number 08D43801
Storage Temperature -20-0° C
Molecular Weight 220.3
Formula C₉H₈N₄OS
CAS Number 51707-55-2

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in DMSO at 10 mg/mL	Pass
Physical Appearance	RM-1 to RM-5, RM-31, or	
Color*	2023-50	2023-50 Yellow
Texture	Fine Powder; may form Clumps	Fine Powder w/ clumps
Solution Appearance		
Clarity	Clear	Clear
Color	Colorless	Colorless
Average Time to Dissolve	Within 1 min	Passes
Insolubles	None	Passes
Purity	Minimum 95.0%	95.4%
Loss on Drying	For Information Only	1.76%

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

Biological Testing:

Test Concentration: 1 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	Hosta	Passes
	Tobacco callus	Passes

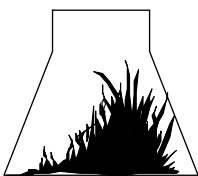
The material described in this certificate was is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

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: April 2013



Gary Seckinger, Ph.D.



PhytoTechnology
Laboratories, LLC
Dedicated to Growth

PhytoTechnology Laboratories, LLC

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