

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 C₉H₈N₄OS
CAS Number 51707-55-2

Physiochemical Specifications:

| TEST | SPECIFICATION | RESULTS |
|---|------------------------------|----------------------------------|
| Solubility | Soluble in DMSO @ 10 mg/mL | Passes |
| Physical Appearance Color* | 2020-60, RM-1 to RM-5, RM-31 | RM-4 Off-White w/Slight Tan Tint |
| Texture | Fine Powder; may form Clumps | Fine Powder, forms clumps |
| Solution Appearance Clarity Color | Clear Colorless | Clear Colorless |
| Average Time to Dissolve | Within 1 min | Passes |
| Insolubles | None | 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 | Lily | 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: March 2013



Gary Seckinger, Ph.D.



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