

# CERTIFICATE OF ANALYSIS

Product Description      ORYZALIN  
4-(DIPROPYLAMINO)-3,5-DINITROBENZENESULFONAMIDE  
Product Number        O630  
Lot Number              10J0630016  
Storage Temperature    Room Temperature  
Molecular Weight       346.36  
Formula                  C<sub>12</sub>H<sub>18</sub>N<sub>4</sub>O<sub>6</sub>S  
CAS Number              19044-88-3

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in DMSO @ 10 mg/mL	Passes
Physical Appearance Color* Texture	2011-20 to 2017-20 Crystalline Powder	2015-20 Orange w/ Red Tint Crystalline Powder
Solution Appearance Clarity Color	Clear Yellow to Dark Yellow	Clear Dark Yellow
Average Time to Dissolve	Within 5 min	Passes
Insolubles	None	Passes
Purity	Minimum 97.5%	98.2%

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

## Biological Testing:

Test Concentration: 10 mg/L

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
This product may not promote tissue growth; tissue necrosis or death is possible. This product is tested for gross phytotoxic effects with two or more plant cell lines.	Achimenes	Passes
	Tobacco callus	Passes

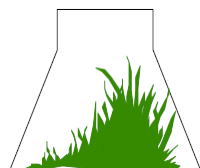
The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

**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: September 2018



Gary Seckinger, Ph.D.



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### **PhytoTechnology Laboratories®**

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Created on 28 September 2010  
Revised on 18 October 2010