

CERTIFICATE OF ANALYSIS

Product Description ORYZALIN
4-(DIPROPYLAMINO)-3,5-DINITROBENZENESULFONAMIDE
Product Number O630
Lot Number HXE0630023
Storage Temperature Room Temperature
Molecular Weight 346.36
Formula C₁₂H₁₈N₄O₆S
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	2017-20 Orange Crystalline Powder
Solution Appearance Clarity Color	Clear Yellow to Dark Yellow	Clear Yellow
Average Time to Dissolve	For Information Only (Approx. 5 min)	Passes
Insolubles	None	Passes
Purity	Minimum 97.0%	98.10%
FTIR	Conforms to Structure	Passes

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

Biological Testing:

Test Concentration: 10.0 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.	Xanthi Tobacco Callus	Passes
	Ipomea Batatas	Passes

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

PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. 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.

Date of Release: 09-August-2024
Recommended Shelf-Life Date: August 2032



David Hart
Technical Director