CERTIFICATE OF ANALYSIS

Product Description	2, 4-Dichlorophenoxyacetic Acid; 2, 4-D
Product Number	D299
Lot Number	HXX0299025
Storage Temperature	Room Temperature
Molecular Weight	221.04
Formula	$C_8H_6Cl_2O_3$
CAS Number	94-75-7

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in 1N KOH @ 1 mg/mL	Passes
Physical Appearance Color* Texture	 2151-70 to 2156-70, PM-1 to PM-4 Fine to Coarse Powder	 2152-70 Off-White Fine Powder
Solution Appearance Clarity Color	 Clear Colorless	 Clear Colorless
Average Time to Dissolve	For Information Only (Within 10 min)	Passes
Insolubles	None	Passes

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

Biological Testing:

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
Supports and/or facilitates plant growth and/or callus formation in two or more plant tissue cultures	C. green	Passes
	Achimenes	Passes

The material described in this certificate was manufactured in the United States of America and is of synthetic nature. No animal or plant components were used in the manufacture of this product.

***Phyto*Tech Labs® 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*Tech Labs® 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: 20-September-2022
Recommended Shelf Life Date: September 2030

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