CERTIFICATE OF ANALYSIS

Product Description	2, 4-Dichlorophenoxyacetic Acid; 2, 4-D
Product Number	D299
Lot Number	HCY0299022
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*	2151-70 to 2156-70, PM-1 to PM-4	PM-3 White
Texture	Fine to Coarse Powder	Fine Powder
Solution Appearance		
Clarity	Clear	Clear
Color	Colorless	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	Perilla Fantasy	Passes
	Hosta	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: 17-March-2021
Recommended Shelf Life Date: March 2029

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