

# CERTIFICATE OF ANALYSIS

Product Description 2, 4-Dichlorophenoxyacetic Acid; 2, 4-D  
Product Number D299  
Lot Number HYE0299031  
Storage Temperature Room Temperature  
Molecular Weight 221.04  
Formula  $C_8H_6Cl_2O_3$   
CAS Number 94-75-7

## Physicochemical 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-1 White
Texture	Fine to Coarse Powder	Fine Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	For Information Only (Within 10 min)	Passes
Insolubles	None	Passes
Purity	Minimum 95%	95.11%

\* 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
	Xanthi Tobacco Callus	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.

**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: 29-February-2024

Recommended Shelf-Life Date: February 2032



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