

# CERTIFICATE OF ANALYSIS

Product Description 2, 4-Dichlorophenoxyacetic Acid; 2, 4-D  
Product Number D299  
Lot Number HAY0299023  
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	2152-70 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

\* 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	Begonia	Passes
	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® 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® 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: 12 July 2021  
Recommended Shelf Life Date: July-2029



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