CERTIFICATE OF ANALYSIS

Product Description	2, 4-Dichlorophenoxyacetic Acid; 2, 4-D
Product Number	D299
Lot Number	HME0299035
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	Coarse Powder
Solution Appearance		
Clarity	Clear	Clear
Color	Colorless	Colorless
Insolubles	None	Passes
Purity	Minimum 95%	97.40%

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

Biological Testing:

Test Concentration: 2.0 mg/L

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
Supports and/or facilitates plant growth and/or callus formation in two or more plant tissue cultured lines with no morphological aberrations to plants.	Parrot Feather	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: 10-January-2025
Recommended Shelf-Life Date: January 2033

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