

CERTIFICATE OF ANALYSIS

Product Description 2,4-DICHLOROPHENOXYACETIC ACID
SOLUTION (10 mg/mL); 2,4-D
Product Number D309
Lot Number 08D30913
Storage Temperature 2-6° C
Molecular Weight 221.04
Formula $C_8H_6Cl_2O_3$
CAS Number 94-75-7

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Miscible with Water	Passes
pH (Neat)	12.0 – 14.0	13.79
Physical Appearance Color Texture	Colorless to Slight Yellow Tint Clear Liquid	Clear Liquid
Insolubles	None	Passes
Sterility by USP <71>	Negative (sterile)	Passes

Biological Testing:

Test Concentration: 0.10 mL/L (1.0 mg/L)

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
Supports and/or facilitates plant growth and/or callus formation in two or more plant tissue cultures with no morphological aberrations to plants	Kalanchoe	Passes
	Tobacco Callus	Passes

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

***PhytoTechnology Laboratories, LLC* provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. *PhytoTechnology Laboratories* 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.**

Recommended Shelf Life Date: April 2010



Gary Seckinger, PhD



PhytoTechnology
Laboratories, LLC
Dedicated to Growth

PhytoTechnology Laboratories, LLC

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Created on 6/6/2008