CERTIFICATE OF ANALYSIS

Product Description	2,4-DICHLOROPHENOXYACETIC ACID SOLUTION (10 mg/mL); 2,4-D
Product Number	D309
Lot Number	15K0309021
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)	For Information Only	14.1
Physical Appearance Color Texture	 Colorless to Slight Yellow Tint Clear Liquid	 Colorless Clear Liquid
Insolubles	None	Passes
Sterility by USP <71>	Sterile	Passes

Biological Testing:

Test Concentration: 0.10 mL/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	Tobacco Callus	Passes
	Lily	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.

***Phyto*Technology Laboratories® 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*Technology 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: October 2018

Gary Seckinger, Ph.D.

P*hyto*Technology Laboratories®
Dedicated to Growth

***Phyto*Technology Laboratories®**
Mailing Address: P.O. Box 12205, Shawnee Mission, KS 66282-2205
Phone: 1-888-749-8682 (1-913-341-5343 *Outside the USA & Canada*)
Fax: 1-888-449-8682 (1-913-341-5442 *Outside the USA & Canada*)
Visit our Web Site at http://www.phytotechlab.com

ISO 9001 REGISTERED FIRM

Created on 20 November 2015 JN