

# CERTIFICATE OF ANALYSIS

Product Description 2, 4-DICHLOROPHENOXYACETIC ACID SOLUTION (1 mg/mL);  
2,4-D  
Product Number D295  
Lot Number 15F0295026  
Storage Temperature 2-6 °C  
Molecular Weight 221.04  
Formula C<sub>8</sub>H<sub>6</sub>Cl<sub>2</sub>O<sub>3</sub>  
CAS Number 94-75-7

## Physicochemical Specifications:

| TEST                  | SPECIFICATION        | RESULTS      |
|-----------------------|----------------------|--------------|
| Solubility            | Miscible with Water  | Passes       |
| pH (Neat)             | For Information Only | 13.6         |
| Physical Appearance   |                      |              |
| Color                 | Colorless            | Colorless    |
| Texture               | Clear Liquid         | Clear Liquid |
| Insolubles            | None                 | Passes       |
| Sterility by USP <71> | Sterile              | Passes       |

## Biological Testing:

Test Concentration: 1.0 mL (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 cultured lines with no morphological aberrations to plants. | Tobacco Callus  | Passes  |
|  | Kalanchoe       | 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.

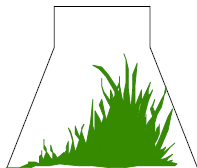
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Date of Release: 26-May-2017

Recommended Shelf Life Date: November -2019



David S. Hart  
Technical Director



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### **PhytoTechnology Laboratories®**

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