

CERTIFICATE OF ANALYSIS

Product Description MURASHIGE & SKOOG MEDIUM w/VITAMINS & 30 G/L
SUCROSE (1X)
Product Number M5530
Lot Number 15J5530006
Storage Temperature 2-6 °C

Physiochemical Specifications:

| TEST | SPECIFICATION | RESULTS |
|---|-----------------------------------|---------------------------|
| Solubility | Miscible with Water | Passes |
| pH (Neat) | Under Development | 4.3 |
| Physical Appearance Color Texture | Under Development Clear Liquid | Colorless Clear Liquid |
| Insolubles | None | Passes |
| Sterility by USP <71> | Sterile | Passes |

Biological Testing:

Test Concentration: 1.0 L/ 1.0 L

| TEST SPECIFICATION | PLANT CELL LINE | RESULTS |
|--|-----------------|---------|
| Supports and/or facilitates plant growth and/or shoot proliferation in two or more plant tissue cultured lines with no morphological aberrations to plants | Hosta | 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® 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: September 2018



Gary Seckinger, Ph.D.



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