

CERTIFICATE OF ANALYSIS

Product Description MURASHIGE & TUCKER MEDIUM
Product Number M5525
Lot Number SYT5525001
Storage Temperature 2-8°C

Physiochemical Specifications:

| TEST | SPECIFICATION | RESULTS |
|--------------------------|----------------------|--------------------|
| Solubility | Soluble in Water | Passes |
| pH (4.46 g/L) | Under Development | 3.9 |
| Physical Appearance | | |
| Color* | Under Development | PM-1 Off-White |
| Texture | Under Development | Fine Powder |
| Solution Appearance | | |
| Color | Under Development | Clear |
| Clarity | Under Development | Slight Yellow Tint |
| Average Time to Dissolve | Under Development | 3 min |
| Insolubles | Under Development | None |
| Moisture | For Information Only | 0.66% |

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

Biological Testing:

Test Concentration:

| 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 | African Violet | Passes |
| | Begonia | Passes |

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

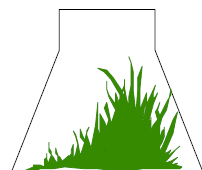
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Date of Release: 27-November 2018

Recommended Shelf Life Date: May 2021



David S. Hart
Technical Director



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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*)

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