

# CERTIFICATE OF ANALYSIS

|                     |  |
|---------------------|--|
| Product Description | Hoagland's Modified Basal Salt Mixture |
| Product Number      | H353                                   |
| Lot Number          | 03G35306                               |
| Storage Temperature | 2-6° C                                 |
| Molecular Weight    | NA                                     |
| Formula             | NA                                     |
| CAS Number          | NA                                     |

## **Physiochemical Specifications:**

| TEST                     | SPECIFICATION                            | RESULTS                 |
|--------------------------|--|-------------------------|
| Solubility               | Soluble in Water                         | Complies                |
| pH (1.63 g/L)            | 4.25-5.25                                | 4.74                    |
| Physical Appearance      |  |                         |
| Color*                   | RM-31 (Brilliant White)                  | RM-31 (Brilliant White) |
| Texture                  | RM-1 to RM-3<br>Grainy Powder            | Grainy Powder           |
| Solution Appearance      | Clear<br>Colorless to Slight Yellow Tint | Clear<br>Colorless      |
| Average Time to Dissolve | 2-4 min                                  | 2 min                   |
| Precipitation Formation  | None                                     | None                    |

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

## **Biological Testing:**

| TEST SPECIFICATION   | PLANT CELL LINE | RESULTS  |
|--|-----------------|--|
| Supports and/or facilitates plant growth and/or shoot proliferation in two or more plant tissue cultures | Boston Fern     | Passes—supported plant growth and/or shoot proliferation with no morphological aberrations to plants |
|  | Hosta           | Passes—supported plant growth and/or shoot proliferation with no morphological aberrations to plants |

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

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*Amy M. Brooks*

Quality Assurance Manager