CERTIFICATE OF ANALYSIS

Product Description	HOAGLAND MODIFIED BASAL SALT MIXTURE CONTAINS FERROUS SULFATE
Product Number	H353
Lot Number	14M0353025
Storage Temperature	2-8 ˚C

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water	Passes
pH (1.63 g/L)	4.2 – 5.3	5.0
Physical Appearance Color* Texture	 PM-1 to PM-4 Coarse Powder	 PM-4 White Coarse Powder
Solution Appearance Clarity Color	 Clear Colorless to Slight Yellow Tint	 Clear Slight Yellow Tint
Average Time to Dissolve	Within 15 min	Passes
Insolubles	None	Passes
Moisture	For Information Only	1.28 %
Osmolality	For Information Only	30 mOsm

* 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 cultured lines with no morphological aberrations to plants	Tobacco callus	Passes
	Ajuga	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.

PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. 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.

Date of Release: 2-December-2021
Recommended Shelf Life Date: June 2024

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