

# CERTIFICATE OF ANALYSIS

Product Description MURASHIGE & SKOOG MACRONUTRIENT SALT BASE  
1x MACRONUTRIENT SALTS  
Product Number M502  
Lot Number HHT0502032  
Storage Temperature 2-8°C

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water	Passes
pH (4.23 g/L)	4.1-5.6	4.9
Physical Appearance Color*	2142-70 to 2146-70, PM-1 to PM-4	PM-4 White
Texture	Fine to Coarse Powder	Fine Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	For Information Only (Approx. 5 min)	Passes
Insolubles	None	Passes
Moisture	For Information Only	0.73%

\* 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	Blue Potato	Passes
	Xanthi 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.

**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: 02-May-2025

Recommended Shelf-Life Date: May 2028

Prepared by: 

Alex Lambert

Lead Quality Control Laboratory Technician