



## CERTIFICATE OF ANALYSIS

Product Name: **Murashige & Skoog Basal Salts**  
 With Macronutrients, Micronutrients, Vitamins, and 30 g/L Sucrose

MADE IN THE USA

Catalog Number: **MSP14**

Storage: 2 to 8°C

Manufacture Date: **NOV-2018**

Lot Number: **11180002**

Expiration Date: **30-NOV-2022**

Test	Specifications	Results
Appearance	White to Yellow Powder	PASS
Solubility in Water	34.43 g/L in ≤ 30 minutes	3 minutes
Moisture Content	≤ 2%	< 0.5%
Particle Size	≥ 80% through 100 mesh	≥ 80%
pH ( <i>measured at 22° C</i> )	3.4 - 4.4	3.79
Osmolality	160 - 200 mM/Kg	176 mM/Kg
Plant Tissue Culture of: <i>Solanum tuberosum</i> <i>Hosta spp.</i> <i>Tradescantia zebrina</i> <i>Musa acuminata</i> (cv.) Mormata	Supports plant growth with no morphological abnormalities	PASS

**This product was produced and tested in accordance with all relevant SOP's and meets or exceeds the quality standards established by Caisson Laboratories, Inc.**

*This Product is intended for Laboratory Use Only.*

Prepared by:

Reviewed by:

Kurt Rieben  
Quality Control

15-NOV-2018

BSE/TSE Declaration

To the present state of our knowledge we declare that this product does not contain any BSE/TSE AGENT. This declaration is given in good faith and no warranty express or implied with respect to quality and properties is made.