



## CERTIFICATE OF ANALYSIS

Product Name: Murashige and Skoog Basal Salts  
With Macronutrients and Micronutrients  
Modified with 1/2 X Macronutrients and 1/2 X Iron

MADE IN THE USA

Catalog Number: MSP08

Storage: 2 to 8°C

Manufacture Date: JAN 2017

Lot Number: 01170004

Expiration Date: 31 JAN 2021

Test	Specifications	Results
Appearance	White to Yellow Powder	PASS
Solubility in Water	2.18 g/L in $\leq$ 30 minutes	1 minute
Moisture Content	$\leq$ 2%	< 1.25%
Particle Size	$\geq$ 80% through 100 mesh	> 80%
pH ( <i>measured at ~ 22° C.</i> )	3.70 - 4.70	4.09
Osmolality	20 - 50 mM/Kg	41 mM/Kg
Plant Tissue Culture of: <i>Solanum tuberosum</i> <i>Tradescantia zebrina</i> <i>Vitis spp.</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.*

Kurt Rieben  
Quality Control

1-24-17