

CERTIFICATE OF ANALYSIS

Product Description MURASHIGE & SKOOG MODIFIED VITAMIN SOLUTION (1000x)
CONTAINS ADDITIONAL THIAMINE HCl
Product Number M557
Lot Number 16F0557011
Storage Temperature 2-8°C

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Miscible with Water	Passes
pH (Neat)	3.2-4.2	3.7
Physical Appearance Color Texture	Colorless Clear Liquid	Colorless Clear Liquid
Insolubles	None	Passes*
Sterility by USP<71>	Sterile	Passes

*Myo-Inositol may precipitate out of solution as the product ages in cold storage. This will re-dissolve upon warming and does not detrimentally affect the product.

Biological Testing:

Test Concentration: 1.0 mL/L

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	Strawberry	Passes
	Lily	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.

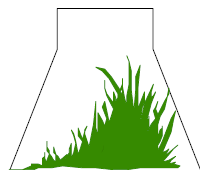
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Date of Release: 3-July-2018

Recommended Shelf Life Date: January 2021



David S. Hart
Technical Director



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Mailing Address: P.O. Box 12205, Shawnee Mission, KS 66282-2205
Phone: 1-888-749-8682 (1-913-341-5343 *Outside the USA & Canada*)
Fax: 1-888-449-8682 (1-913-341-5442 *Outside the USA & Canada*)
Visit our Web Site at <http://www.phytotechlab.com>

