CERTIFICATE OF ANALYSIS

Product Description L-Threonine, Methyl Ester, Hydrochloride

Product Number T857

Lot Number 12F0857003

Storage Temperature -20°C Molecular Weight 169.6

Formula C₅H₁₁O₃N•HCl CAS Number 39994-75-7

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
pН	Under Development	3.5
Physical Appearance		
Color*	PM-1 to PM-4	PM-4 White
Texture	Fine Powder, may form clumps	Fine Powder
Solution Appearance		
Clarity	Clear	Clear
Color	Colorless	Colorless
Average Time to Dissolve	Within 1 minute	Passes
Insolubles	None	Passes
Purity	Under Development	99.0%
Water Content	For Information Only	0.3%

^{*} Product color based upon comparisons between sample and standardized color wheel (Benjamin Moore® Color PreviewTM).

Biological Testing:

Test Concentration: 100 mg/L

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
Supports and/or facilitates plant growth and/or shoot proliferation in two or more	Begonia	Passes
plant tissue cultured lines with no morphological aberrations to plants	Kalanchoe	Passes

The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

Phyto Technology Laboratories® provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. Phyto Technology Laboratories® 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-March-2018

Recommended Shelf Life Date: March 2020

David S. Hart Technical Director

PhytoTechnology Laboratories®

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*)

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