CERTIFICATE OF ANALYSIS

Product Description	L-TYROSINE, FREE BASE
Product Number	T873
Lot Number	12F0873005
Storage Temperature	Room Temperature
Molecular Weight	181.21
Formula	$C_9H_{11}NO_3$
CAS Number	60-18-4

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in 1.0 N HCl @ 10 mg/mL	Passes
Physical Appearance		
Color*	RM-1 to RM-3 or RM-31 or 2143-70 to 2149-70	RM-31 White
Texture	Fine Powder, may form clumps	Fine Powder w/Clumps
Solution Appearance		
Clarity	Clear	Clear
Color	Colorless	Colorless
Average Time to Dissolve	Within 4 min	Passes
Insolubles	None	Passes
Purity	Minimum 98.5%	99.72%
Loss on Drying	For Information Only	0.1%

* Product color based upon comparisons between sample and standardized color wheel (Benjamin Moore® Color Preview™).

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 plant tissue cultured lines with no morphological aberrations to plants	Tobacco callus	Passes
	Hosta	Passes

The material described in this certificate was manufactured from human hair. No plant-derived components were used in the manufacture of this product.

***Phyto*Technology Laboratories, LLC 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.**

Recommended Shelf Life Date: June 2020

Gary Seckinger, Ph.D.

*Phyto*Technology 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*)
Visit our Web Site at http://www.phytotechlab.com

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