CERTIFICATE OF ANALYSIS

Product Description	L-LYSINE, MONOHYDROCHLORIDE
Product Number	L594
Lot Number	03J59402
Storage Temperature	Room Temperature
Molecular Weight	182.65
Formula	$C_6H_{14}O_2N_2$•HCl
CAS Number	657-27-2

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water	Passes
pH (10 mg/mL)	Under Development	5.2
Physical Appearance Color* Texture	 RM-1 to RM-3 or RM-31 Fine to Coarse Powder	 RM-1 Off-White Coarse Powder
Solution Appearance Clarity Color	 Clear Colorless	 Clear Colorless
Average Time to Dissolve	Within 3 min	Passes
Insolubles	None	Passes

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	Boston Fern	Passes
	Hosta	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.**

Recommended Shelf Life Date: March 2018

Gary Seckinger, Ph.D.

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Dedicated to Growth

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