CERTIFICATE OF ANALYSIS

Product Description	GLYPHOSATE N-(PHOSPHONOMETHYL)GLYCINE
Product Number	G345
Lot Number	16E0345011
Storage Temperature	2-6 °C
Molecular Weight	169.07
Formula	$C_3H_8NO_5P$
CAS Number	1071-83-6

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 1.0 mg/mL	Passes
pH	Under Development	2.8
Physical Appearance Color* Texture	 PM-1 to PM-4 Fine Powder	 PM-4 White Fine Powder
Solution Appearance Clarity Color	 Clear Colorless	 Clear Colorless
Average Time to Dissolve	For Information Only (Approx. 10 min)	10 min
Insolubles	None	Passes
Purity	Minimum of 95%	95.33%

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

Biological Testing:

Test Concentration: 1.0 mg/L

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
This product is tested with two or more plant cell lines to ensure there are no gross phytotoxic impurities that would cause morphological aberrations to plants.	Sugar Cane	Passes
	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.**

Recommended Shelf Life Date: July 2021

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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Created on 8 July 2016 JN