

# CERTIFICATE OF ANALYSIS

Product Description DL-PHOSPHINOTHRICIN, MONOAMMONIUM SALT  
PPT; 2-AMINO-4-(HYDROXYMETHYLPHOSPHINYL)BUTANOIC ACID,  
MONOAMMONIUM SALT; GLUFOSINATE-AMMONIUM  
Product Number P679  
Lot Number 12B0679022  
Storage Temperature Room Temperature  
Molecular Weight 198.19  
Formula  $C_5H_{15}N_2O_4P$   
CAS Number 77182-82-2

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 1 mg/mL	Passes
pH	Under Development	4.17
Physical Appearance Color*	RM-1 to RM-5, 2143-70 to 2148-70, 2019-70 to 2023-70, 2149-40 to 2154-40, or Colorless	RM-1 Off-White
Texture	Fine Powder to Crystals	Fine Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	Within 5 min	Passes
Insolubles	None	Passes
Purity	Minimum 90.0%	95.2%

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

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

**PhytoTechnology 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. PhytoTechnology 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: February 2020



Gary Seckinger, Ph.D.



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### PhytoTechnology Laboratories®

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