

# 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 STS0679026

Storage Temperature Room Temperature

Molecular Weight 198.19

Formula  $C_5H_{15}N_2O_4P$

CAS Number 77182-82-2

## Physicochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 1 mg/mL	Passes
pH	Under Development	6.5
Physical Appearance Color*	PM-1 to PM-3, PM-19, PM-13, 2143-70 to 2148-70, 2019-70 to 2023-70, 2149-40 to 2154-40, or	PM-3 White
Texture	Colorless Fine Powder to Crystals	Fine Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	For Information Only (Approx. 5 min)	5 min
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity	Minimum 90.0%	96.50%

\* 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.

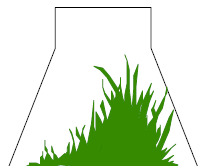
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Date of Release: 24-July-2017

Recommended Shelf Life Date: July- 2025



David S. Hart  
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### **PhytoTechnology Laboratories®**

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