

# CERTIFICATE OF ANALYSIS

Product Description L-ASPARAGINE, MONOHYDRATE  
(S)-2,4-DIAMINO-4-OXOBUTANOIC ACID  
Product Number A107  
Lot Number AKR0107007  
Storage Temperature Room Temperature  
Molecular Weight 150.1  
Formula  $C_4H_8N_2O_3 \cdot H_2O$   
CAS Number 5794-13-8

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
pH	Under Development	4.4
Physical Appearance Color* Texture	PM-1 to PM-4 Crystalline Powder	PM-4 White Crystalline Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	Within 15 min	Passes
Insolubles	None	Passes
Purity	Minimum 99.0%	99.52%

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

## Biological Testing:

Test Concentration: 50.0 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	African Violet	Passes
	Kalanchoe	Passes

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

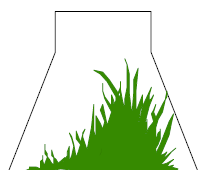
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Date of Release: 1-June-2018

Recommended Shelf Life Date: June 2026



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### **PhytoTechnology Laboratories®**

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