

# CERTIFICATE OF ANALYSIS

Product Description      CALCIUM NITRATE, TETRAHYDRATE  
CRYSTALLINE, ACS REAGENT  
Product Number        C180  
Lot Number              SSS0180039  
Storage Temperature    Room Temperature  
Molecular Weight       236.15  
Formula                  Ca(NO<sub>3</sub>)<sub>2</sub>•4H<sub>2</sub>O  
CAS Number              13477-34-4

## **Physiochemical Specifications:**

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 100 mg/mL	Passes
pH	Under Development	5.4
Physical Appearance		
Color	Colorless	Colorless
Texture	Crystals	Crystals
Solution Appearance		
Clarity	Clear	Clear
Color	Colorless	Colorless
Average Time to Dissolve	For Information Only	3 min
Insolubles	None	Passes
Purity	Minimum 99.0%	99.70%

## **Biological Testing:**

Test Concentration: 400.0 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	Achimenes	Passes
	Begonia	Passes

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

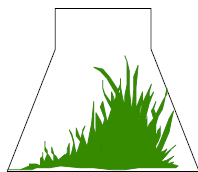
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Recommended Shelf Life Date: July- 2025



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### **PhytoTechnology Laboratories®**

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