

# CERTIFICATE OF ANALYSIS

Product Description      CALCIUM NITRATE, TETRAHYDRATE  
CRYSTALLINE, ACS REAGENT  
Product Number          C180  
Lot Number                12L0180032  
Storage Temperature      Room Temperature  
Molecular Weight        236.15  
Formula                     $\text{Ca}(\text{NO}_3)_2 \cdot 4\text{H}_2\text{O}$   
CAS Number                13477-34-4

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 100 mg/mL	Passes
pH	Under Development	4.8
Physical Appearance		
Color	Colorless	Colorless
Texture	Crystals	Crystals
Solution Appearance		
Clarity	Clear	Clear
Color	Colorless	Colorless
Average Time to Dissolve	Within 5 min	Passes
Insolubles	None	Passes
Purity	Minimum 99.0%	99.9%

## 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	Tobacco callus	Passes
	Sugarcane	Passes

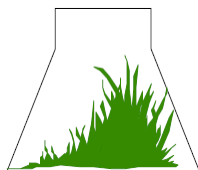
The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

**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: November 2020



Gary Seckinger, PhD



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### PhytoTechnology Laboratories®

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