

# CERTIFICATE OF ANALYSIS

Product Description      CALCIUM NITRATE, TETRAHYDRATE  
CRYSTALLINE  
Product Number          C180  
Lot Number                HME0180052  
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	5.9
Physical Appearance		
Color	Colorless	Colorless
Texture	Crystals	Crystals
Solution Appearance		
Clarity	Clear	Clear
Color	Colorless	Colorless
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity	Minimum 99.0%	99.90%

## 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	Parrot Feather	Passes
	Xanthi Tobacco Callus	Passes

This product is synthetic. No animal-derived components were used in the manufacture of this product, and it is free from Transmissible Spongiform Encephalopathy (TSE) and Bovine Spongiform Encephalopathy (BSE). PhytoTech Labs Inc. does not use melamine, and is not a component in raw materials used to manufacture products with.

**PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. 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.**

Date of Release: 27-January-2025

Recommended Shelf-Life Date: January 2033

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