

CERTIFICATE OF ANALYSIS

Product Description CALCIUM CHLORIDE, DIHYDRATE
ACS REAGENT/ USP GRADE
Product Number C135
Lot Number 15B0135028
Storage Temperature Room Temperature
Molecular Weight 147.02
Formula CaCl₂•2H₂O
CAS Number 10035-04-8

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 100 mg/mL	Passes
pH	Under Development	6.1
Physical Appearance Color* Texture	PM-1 to PM-4 Fine to Coarse Powder	PM-1 Off-White Coarse Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	Within 1 min	Passes
Insolubles	None	Passes
Purity	Minimum 99.0%	101.65%
Heavy Metals	For Information Only	<5ppm

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

Biological Testing:

Test Concentration: 300.0 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	Coreopsis	Passes
	Tobacco callus	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: February 2023



Gary Seckinger, Ph.D.



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PhytoTechnology Laboratories®

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