

CERTIFICATE OF ANALYSIS

Product Description	CALCIUM CHLORIDE, DIHYDRATE ACS REAGENT/ USP GRADE
Product Number	C135
Lot Number	07B13521
Storage Temperature	Room Temperature
Molecular Weight	147.02
Formula	CaCl ₂ •2H ₂ O
CAS Number	10035-04-8

Physicochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water	Soluble in Water
pH (0.30 g/L)	5.0 – 7.0	5.21
Physical Appearance Color*	RM-3 (Decorators White) RM-1 to RM-3 or RM-31	RM-31 (Brilliant White)
Texture	Fluffy to Crystalline Powder	Crystalline Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	Within 1 min	Within 1 min
Precipitation Formation	None	None
Assay	99.0 – 105.0%	99.8%
Heavy Metals	≤5 ppm	<5 ppm

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

Biological Testing:

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
Supports and/or facilitates plant growth and/or shoot proliferation in two or more plant tissue cultures	Syngonium	Passes—supported plant growth and/or shoot proliferation with no morphological aberrations to plants
	Boston Fern	Passes—supported plant growth and/or shoot proliferation with no morphological aberrations to plants

The material described in this certificate was manufactured in the United State of America and is of synthetic nature. No animal or plant components were used in the manufacture of this product.

PhytoTechnology Laboratories, LLC 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 2012

Emily Burdick

Quality Assurance Manager



PhytoTechnology
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Dedicated to Growth

PhytoTechnology Laboratories, LLC

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Created on 4/16/2007 9:58:00 AM