

CERTIFICATE OF ANALYSIS

Product Description CALCIUM CHLORIDE, DIHYDRATE
ACS REAGENT/ USP GRADE
Product Number C135
Lot Number 11C0135025
Storage Temperature Room Temperature
Molecular Weight 147.02
Formula $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$
CAS Number 10035-04-8

Physiochemical Specifications:

| TEST | SPECIFICATION | RESULTS |
|--|--|------------------------------|
| Solubility | Soluble in Water @ 100 mg/mL | Passes |
| pH | Under Development | 5.75 |
| Physical Appearance Color* Texture | RM-1 to RM-3 or RM-31 Fine to Coarse Powder | RM-31 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% | 100% |
| Heavy Metals | For Information Only | Less than 5 ppm |

* 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 | Boston Fern | Passes |
| | Dianthus | Passes |

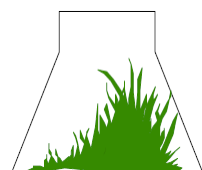
The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

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: March 2019



Gary Seckinger, Ph.D.



PhytoTechnology
Laboratories®
Dedicated to Growth

PhytoTechnology Laboratories®

Mailing Address: P.O. Box 12205, Shawnee Mission, KS 66282-2205
Phone: 1-888-749-8682 (1-913-341-5343 *Outside the USA & Canada*)
Fax: 1-888-449-8682 (1-913-341-5442 *Outside the USA & Canada*)
Visit our Web Site at <http://www.phytotechlab.com>



Created on 18 April 2011 PN