

CERTIFICATE OF ANALYSIS

Product Description PROHEXADIONE-CALCIUM
Product Number P6847
Lot Number 14H6847001
Molecular Weight 250.26
Formula $C_{10}H_{10}O_5Ca$
CAS Number 127277-53-6
Storage Temperature Room Temperature

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	1.0 mg/mL in 1.0 N HCl	Passes
Physical Appearance Color* Texture	Under Development Under Development	2146-70 Off White Coarse Powder, Some Clumps
Solution Appearance Color Clarity	Under Development Under Development	Clear Colorless
Average Time to Dissolve	Under Development	Passes
Insolubles	None	Passes
Purity	Minimum 98%	98.3%
FTIR	Conforms to Structure	Passes

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

Biological Testing:


Test Concentration: 1.0 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	Sugarcane	Passes
	Hosta	Passes

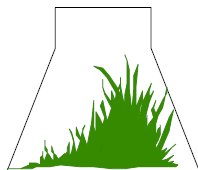
The material described in this certificate was manufactured in the United States of America and is synthetic in nature. No animal- or plant-derived components were used in the manufacture of this product.

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: August 2022



Gary Seckinger, Ph.D.



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Created on 15 September 2014 JN