

CERTIFICATE OF ANALYSIS

Product Description	CALCIUM PHOSPHATE, TRIBASIC NF GRADE
Product Number	C274
Lot Number	01E27403
Storage Temperature	Room Temperature
Molecular Weight	502.31
Formula	Ca ₅ (OH)(PO ₄) ₃
CAS Number	12167-74-7

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in HCl	Soluble in HCl
pH ¹ (0.25 g/5 mL HCl)	Under Development	0.95
Physical Appearance		
Color*	RM-3 (Decorators White) RM-1 to RM-3 or RM-31	RM-3 (Decorators White)
Texture	Fine to Clumpy Powder	Fine, Clumpy Powder
Solution Appearance		
Clarity	Clear	Clear
Color	Colorless	Colorless
Average Time to Dissolve	Within 1 min	Within 1 min
Precipitation Formation	None	None
Assay (Ca)	34.0-40.0%	38.1%

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

¹ pH is dependent on the type and amount of solvent used.

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	Boston Fern	Passes—supported plant growth and/or shoot proliferation with no morphological aberrations to plants
	Syngonium	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.

Phyto Technology 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. Phyto Technology 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: May 2009

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Dedicated to Growth

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