

# CERTIFICATE OF ANALYSIS

Product Description POTASSIUM PHOSPHATE  
MONOBASIC, ANHYDROUS  
ACS REAGENT  
MONOPOTASSIUM PHOSPHATE

Product Number P846  
Lot Number 07J84624  
Storage Temperature Room Temperature  
Molecular Weight 136.09  
Formula  $\text{KH}_2\text{PO}_4$   
CAS Number 7778-77-0

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water	Passes
pH (0.17 g/L)	4.5 – 5.5	4.99
Physical Appearance Color*	RM-2 (White) RM-1 to RM-3 or RM-31	RM-1 Colorless to White
Texture	Crystalline Powder	Crystals & Crystalline Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	Within 3 min	Passes
Precipitation Formation	None	Passes
Assay	≥99.0%	99.1%
Loss on Drying	For Information Only	0.01%
Heavy Metals	For Information Only	<0.001%

\* 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 cultured lines with no morphological aberrations to plants	Boston Fern	Passes
	Hosta	Passes

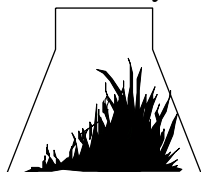
The material described in this certificate was manufactured in the United States of America and is of synthetic nature. No animal or plant components were used in the manufacture of this product.

*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: September 2012



Gary Seckinger, PhD



PhytoTechnology  
Laboratories, LLC  
Dedicated to Growth

### **PhytoTechnology Laboratories, LLC**

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 10/29/2007 5:03 PM