

# CERTIFICATE OF ANALYSIS

Product Description POTASSIUM NITRATE  
ACS REAGENT  
Product Number P100  
Lot Number 08L10043  
Storage Temperature Room Temperature  
Molecular Weight 101.10  
Formula  $\text{KNO}_3$   
CAS Number 7757-79-1

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 100 mg/mL	Passes
pH	Under Development	5.65
Physical Appearance Color* Texture	RM-1 to RM-3, RM-31 Crystalline Powder	RM-31 White Crystalline Powder
Solution Appearance	Clear, Colorless	Passes
Average Time to Dissolve	Within 3 min	Passes
Insolubles	None	Passes
Purity	Minimum 99.0%	99.45%
Heavy Metals (as Pb)	For Information Only	0.0002%

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

## Biological Testing:

Test Concentration: 1.90 g/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	Syngonium	Passes
	Birch	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, 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.**

Recommend Shelf-life Date: November 2013



Gary Seckinger, Ph.D.



PhytoTechnology  
Laboratories, LLC  
Dedicated to Growth

### **PhytoTechnology Laboratories, LLC**

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