

# CERTIFICATE OF ANALYSIS

Product Description POTASSIUM IODIDE  
USP GRADE  
Product Number P640  
Lot Number 08E64001  
Storage Temperature Room Temperature      Formula      KI  
Molecular Weight 166.00      CAS Number      7681-11-0

## **Physiochemical Specifications:**

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water at 10 mg/mL	Passes
pH	Under Development	5.36
Physical Appearance Color* Texture	RM-1 to RM-3, or RM-31 Crystals and Powder	RM-2 Off-White Crystals
Insolubles	None	Passes
Purity	99.0 – 101.5%	99.7%
Alkalinity	To Pass Test	Passes
Loss on Drying	Maximum 1.0%	0.05%
Iodate	Maximum 0.0004%	Less than 0.0004%
Nitrate, Nitrite, & Ammonia	To Pass Test	Passes
Thiosulfate & Barium	To Pass Test	Passes
Heavy Metals	Maximum 0.001%	Less than 0.001%
Organic Volatile Impurities	To Pass Test	Passes
Identification	To Pass Test	Passes

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

## **Biological Testing:**

Test Concentration: 0.3 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
	Hosta	Passes

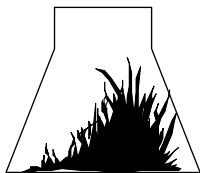
The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

**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.**

Shelf life date: May 2016



Gary Seckinger, Ph.D.



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### **PhytoTechnology Laboratories®**

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