

# CERTIFICATE OF ANALYSIS

Product Description	VANCOMYCIN HYDROCHLORIDE
	USP GRADE
Product Number	V870
Lot Number	SXT0870012
Storage Temperature	-20° C
Molecular Weight	1485.73
Formula	C <sub>66</sub> H <sub>75</sub> Cl <sub>2</sub> N <sub>9</sub> O <sub>24</sub> •HCl
CAS Number	1404-93-9

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
pH	Under Development	2.8
Physical Appearance		
Color*	2152-70 to 2164-70, 2081-70	2164-70 Light Pink
Texture	Crystalline to Grainy Powder	Crystalline Powder
Solution Appearance		
Clarity	Clear	Clear
Color	Colorless	Colorless
Average Time to Dissolve	For Information Only (Approx. 1 min)	1 min
Insolubles	None	Passes
FTIR	Conforms to Structure	Pass
Potency	Minimum 900 µg/mg	1109 µg/mg
Loss on drying	For Information Only	3.0%

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

## Biological Testing:

Test Concentration: 50.0 mg/L

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
This product does not typically promote tissue growth; tissue necrosis or death is possible. This product is commonly used to control bacterial contamination. This product is tested with two or more plant cell lines with no bioburden added to the medium	Echinacea	Passes
	Achimenes	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® 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.**

Date of Release: 9 November 2016

Recommended Shelf Life Date: December 2021



Gary Seckinger, Ph.D.



PhytoTechnology  
Laboratories®  
Dedicated to Growth

### **PhytoTechnology Laboratories®**

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>

