

# CERTIFICATE OF ANALYSIS

Product Description VANCOMYCIN HYDROCHLORIDE  
USP GRADE  
Product Number V870  
Lot Number 12B0870010  
Storage Temperature -20° C  
Molecular Weight 1485.73  
Formula  $C_{66}H_{75}Cl_2N_9O_{24} \cdot HCl$   
CAS Number 1404-93-9

## Physiochemical Specifications:

| TEST                                     | SPECIFICATION                                             | RESULTS                            |
|------------------------------------------|-----------------------------------------------------------|------------------------------------|
| Solubility                               | Soluble in Water @ 10 mg/mL                               | Passes                             |
| pH                                       | Under Development                                         | 3.0                                |
| Physical Appearance<br>Color*<br>Texture | 2152-70 to 2163-70, 2081-70<br>Crystalline to Fine Powder | 2081-70 Pink<br>Crystalline Powder |
| Solution Appearance<br>Clarity<br>Color  | Clear<br>Colorless                                        | Clear<br>Colorless                 |
| Average Time to Dissolve                 | For Information Only<br>(Approx. 1 min)                   | 1 min                              |
| Insolubles                               | None                                                      | Passes                             |
| FTIR                                     | Conforms to Structure                                     | Passes                             |
| Potency                                  | Minimum 900 µg/mg                                         | 1010 µg/mg                         |
| Water content                            | For Information Only                                      | 1.4%                               |

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

## Biological Testing:

Test Concentration: 50 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 | Tobacco callus  | Passes  |
|                                                                                                                                                                                                                                                               | Perilla         | 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.**

Recommended Shelf Life Date: November 2018



Gary Seckinger, Ph.D.



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### **PhytoTechnology Laboratories®**

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