

CERTIFICATE OF ANALYSIS

Product Description VANCOMYCIN HYDROCHLORIDE
USP GRADE
Product Number V870
Lot Number 07K87003
Storage Temperature 2-6° 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	Passes
pH (0.050 g/L)	Under Development	5.06
Physical Appearance Color*	2157-70 2152-70 to 2163-70	2158-70 Off-white with an orange cast
Texture	Crystalline to Grainy Powder	Grainy Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	Within 1 min	Passes
Precipitation Formation	None	Passes
Purity (by HPLC)	≥ 80.0%	91.66%
Loss on drying	For Information Only	1.2%
Potency (anhydrous basis)	≥900 U/mg	1061 U/mg

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

Biological Testing:

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.	Xanthi Tobacco	Passes
	African Violet	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: October 2012



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