



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-224363A  
Lot Number: SAMPLE  
Product Name: Vancomycin hydrochloride (extracted from *Streptomyces orientalis*)  
CAS Number: 1404-93-9  
Molecular Formula:  $C_{66}H_{75}Cl_2N_9O_{24} \cdot HCl$   
Molecular Weight: 1485.71  
Native Source: *Streptomyces orientalis*

Test	Specification	Result
Appearance		Pale pink powder
Identification		Complies
Identification (FTIR)	Consistent with standard	Complies
Composition	Composition of Vancomycin: - Vancomycin B: $\geq 85.0\%$ - Any peak other than main peak: $\leq 5.0\%$	94.9% 1.4%
pH	2.5 - 4.5 (5% aq soln)	3.5
Residual Solvents		59 ppm
Content		Limit of Monodechlorovancomycin: 2.4%
Heavy Metals		< 30 ppm
Potency	~ 1000 $\mu\text{g}/\text{mg}$	1006 $\mu\text{g}/\text{mg}$ (Anhydrous Basis)
Water Content		1.3%
Bacterial Endotoxins		$\leq 0.33$ EU/mg of vancomycin
Microbial Count		-TAMC: <1 CFU/g -TYMC: <1 CFU/g

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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