

CERTIFICATE OF ANALYSIS

Product Description VANCOMYCIN HYDROCHLORIDE
Product Number V870
Lot Number HGE0870020
Storage Temperature -20°C
Molecular Weight 1485.73 g/mol
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 | 3.1 |
| Physical Appearance Color* Texture | 2152-70 to 2164-70, 2081-70 Crystalline to Grainy Powder | 2164-70 Off-White Crystalline Powder |
| Solution Appearance Clarity Color | Clear Colorless | Clear Colorless |
| Insolubles | None | Passes |
| FTIR | Conforms to Structure | Passes |
| Potency | Minimum 900 µg/mg | 1030 µg/mg |

* 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 | Parrot Feather | Passes |
| | H38 Tobacco Callus | Passes |

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

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Date of Release: 16-September-2024
Recommended Shelf-Life Date: March 2027



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