

CERTIFICATE OF ANALYSIS

Product Description HYGROMYCIN B SOLUTION (DI WATER)
FROM STREPTOMYCES HYGROSCOPICUS
Product Number H385
Lot Number SMR0385033
Storage Temperature 2-8°C Light Sensitive
Molecular Weight 527.5 g/mol
Formula C₂₀H₃₇N₃O₁₃
CAS Number 31282-04-9
Concentration 100 mg/mL in DI Water

Physiochemical Specifications:

| TEST | SPECIFICATION | RESULTS |
|---------------------------|-----------------------------------|--------------------------------|
| Physical Appearance | Under Development Clear Liquid | 2019-40 Yellow Clear Liquid |
| Insolubles | None | Passes |
| FTIR | Conforms to Structure | Passes |
| Potency Assay (As Powder) | Minimum 980 U/mg | 1210 U/mg |
| Purity (HPLC) | Minimum 90.0% | 92.10% |
| Sterility by USP <71> | Sterile | Passes |

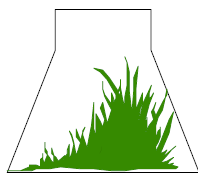
The material described in this certificate was manufactured in the United States of America and was produced by *Streptomyces hygroscopicus*. No animal- or plant-derived components were used in the manufacture of this product.

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Date of Release: 11-April-2018
Recommended Shelf Life Date: October 2020



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