

CERTIFICATE OF ANALYSIS

Product Description HYGROMYCIN B SOLUTION (DI WATER)
FROM STREPTOMYCES HYGROSCOPICUS
Product Number H385
Lot Number HCY0385038
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 | 2018-40 Orange Clear Liquid |
| Insolubles | None | Passes |
| FTIR | Conforms to Structure | Passes |
| Potency Assay (As Powder) | Minimum 980 U/mg | 1001 U/mg |
| Purity (HPLC) | Minimum 90.0% | 90.3% |
| Sterility | 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.

PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. 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.

Date of Release: 30-January-2023
Recommended Shelf Life Date: July 2025



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