

CERTIFICATE OF ANALYSIS

Product Description HYGROMYCIN B, FREE BASE (POWDER)
FROM *STREPTOMYCES HYGROSCOPICUS*
Product Number H397
Lot Number STS0397043
Storage Temperature 2-8°C Protect from Moisture & Sunlight
Molecular Weight 527.5
Formula C₂₀H₃₇N₃O₁₃
CAS Number 31282-04-9

Physiochemical Specifications:

| TEST | SPECIFICATION | RESULTS |
|---|-------------------------------|----------------------|
| Solubility | Soluble in Water @ 50 mg/mL | Passes |
| pH | Under Development @ 50 mg/mL | 10.5 |
| Powder Appearance | White to Tan Fine Powder | White Fine Powder |
| Solution Appearance Clarity Color | Clear Slight Yellow To Tan | Clear Tan |
| Potency | ≥ 900 Units (U)/mg | 1128 u/mg |
| Purity (HPLC) | ≥ 90.0% | 92.50% |
| FTIR | Conforms to Structure | Passes |

The material described in this certificate 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: 07-February-2023
Recommended Shelf Life Date: August 2025



David Hart
Technical Director