

# CERTIFICATE OF ANALYSIS

Product Description      HYGROMYCIN B, FREE BASE (POWDER)  
FROM *STREPTOMYCES HYGROSCOPICUS*  
Product Number          H397  
Lot Number                HXX0397055  
Storage Temperature      2-8°C, Protect from Moisture & Sunlight  
Molecular Weight        527.5  
Formula                    C<sub>20</sub>H<sub>37</sub>N<sub>3</sub>O<sub>13</sub>  
CAS Number                31282-04-9

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 50 mg/mL	Passes
pH	Under Development @ 50 mg/mL	10.6
Powder Appearance	White to Tan Fine Powder	2151-70 Tan Fine Powder
Solution Appearance Clarity Color	Clear Slight Yellow To Tan	Clear Tan
Potency	≥ 900 Units (U)/mg	1003 u/mg
Purity (HPLC)	≥ 90.0%	90.20%
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: 25-July-2024

Recommended Shelf-Life Date: January 2027



David Hart  
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