

CERTIFICATE OF ANALYSIS

Product Description HYGROMYCIN B, FREE BASE (POWDER)
FROM *STREPTOMYCES HYGROSCOPICUS*
Product Number H397
Lot Number HME0397059
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	10.3
Powder Appearance		
Color*	White to Tan	PM-1 White
Texture	Fine Powder	Fine Powder
Solution Appearance		
Clarity	Clear	Clear
Color	Slight Yellow to Tan	Slight Yellow
Potency	≥ 900 Units (U)/mg	1365 U/mg
Purity (HPLC)	≥ 90.0%	95.50%
FTIR	Conforms to Structure	Passes
Water Content	For Information Only	5.60%

*Product color based upon comparisons between sample and standardized color wheel (Benjamin Moore® Color Preview™).

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: 16-December-2024

Recommended Shelf-Life Date: December 2029

Prepared by:  _____

Alex Lambert

Lead Quality Control Laboratory Technician