

# CERTIFICATE OF ANALYSIS

Product Description      HYGROMYCIN B, FREE BASE (POWDER)  
FROM *STREPTOMYCES HYGROSCOPICUS*  
Product Number        H397  
Lot Number              SVS0397044  
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
Powder Appearance	White to Tan Powder	Tan Fine Powder
Potency	≥ 900 Units (U)/mg	1210 U/mg
Purity (HPLC)	≥ 90.0%	92.10%
FTIR	Conforms to Structure	Passes

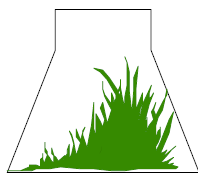
The material described in this certificate was produced by *Streptomyces hygroscopicus*. No animal- or plant-derived components were used in the manufacture of this product.

**PhytoTechnology Laboratories® provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTechnology Laboratories® 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: 19-September-2017  
Recommended Shelf Life Date: September-2022



David S. Hart  
Technical Director



PhytoTechnology  
Laboratories®  
Dedicated to Growth

### **PhytoTechnology Laboratories®**

Mailing Address: P.O. Box 12205, Shawnee Mission, KS 66282-2205  
Phone: 1-888-749-8682 (1-913-341-5343 *Outside the USA & Canada*)  
Fax: 1-888-449-8682 (1-913-341-5442 *Outside the USA & Canada*)  
Visit our Web Site at <http://www.phytotechlab.com>

