CERTIFICATE OF ANALYSIS

Product Description	HYGROMYCIN B SOLUTION (PBS) FROM *STREPTOMYCES HYGROSCOPICUS*
Product Number	H370
Lot Number	15K0370065
Storage Temperature	2-6 °C Protect from sunlight
Molecular Weight	527.5
Formula	$C_{20}H_{37}N_3O_{13}$
CAS Number	31282-04-9

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Physical Appearance Color Texture	 Under Development Clear Liquid	 2160-60 Tan Clear Liquid
Insolubles	None	Passes
Potency Assay	Minimum 980 U/mg	1250 U/mg (as is)
Purity (HPLC)	Minimum 90.0%	92.2%
Sterility by USP <71>	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.

***Phyto*Technology 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. *Phyto*Technology 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.**

Recommended Shelf Life Date: October 2018

Gary Seckinger, Ph.D.

P*hyto*Technology Laboratories®
Dedicated to Growth

***Phyto*Technology 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

ISO 9001 REGISTERED FIRM

Created on 3 November 2015 JN