

# CERTIFICATE OF ANALYSIS

Product Description      HYGROMYCIN B, FREE BASE (POWDER)  
FROM *STREPTOMYCES HYGROSCOPICUS*  
Product Number          H397  
Lot Number                15A0397037  
Storage Temperature      2-6 °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 Light Yellow Powder | Light Tan Powder |
| Potency           | ≥ 900 Units (U)/mg           | 1210 U/mg        |
| Purity (HPLC)     | ≥ 90.0%                      | 92.1%            |
| FTIR              | Conforms to Structure        | Passes           |

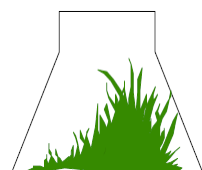
The material described in this certificate was produced by *Streptomyces hygroscopicus*. No animal- or plant-derived components were used in the manufacture of this product.

**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.**

Recommended Shelf Life Date: January 2020



Gary Seckinger, Ph.D.



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Created on 14 Jan 15 PN