CERTIFICATE OF ANALYSIS

Product Description	RIFAMPICIN
Product Number	R501
Lot Number	16B0501011
Storage Temperature	-20-0 ˚C
Molecular Weight	822.94
Formula	$C_{43}H_{58}N_4O_{12}$
CAS Number	13292-46-1

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in DMSO @ 50 mg/mL	Passes
Physical Appearance		
Color*	2004-10 to 2008-10 or 2003-20 to 2007-20	2004-10 Red
Texture	Fine to Coarse Powder	Fine Powder
Solution Appearance		
Clarity	Clear	Clear
Color	Orange to Dark Red	Dark Red
Average Time to Dissolve	For Information Only (Approx. 60 min)	30 min
Insolubles	None	Passes
Purity	Minimum 95.0%	99.2%
FTIR	Conforms to Structure	Passes
Loss On Drying	For Information Only	0.4%

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

Biological Testing:

Test Concentration: 50.0 mg/L

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
This product is tested with two or more clean plant cell lines with no bioburden added to the medium.	African Violet	Passes
	Coreopsis	Passes

The material described in this certificate is synthetic. 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: January 2019

Gary Seckinger, Ph.D.

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