

# CERTIFICATE OF ANALYSIS

Product Description RIFAMPICIN  
Product Number R501  
Lot Number HME0501016  
Storage Temperature -20°C  
Molecular Weight 822.94  
Formula C<sub>43</sub>H<sub>58</sub>N<sub>4</sub>O<sub>12</sub>  
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
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity	Minimum 95.0%	98.35%

\* 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.	Parrot Feather	Passes
	Xanthi Tobacco Callus	Passes

The material described in this certificate is synthetic. 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: 10-January-2025

Recommended Shelf-Life Date: July 2027

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