

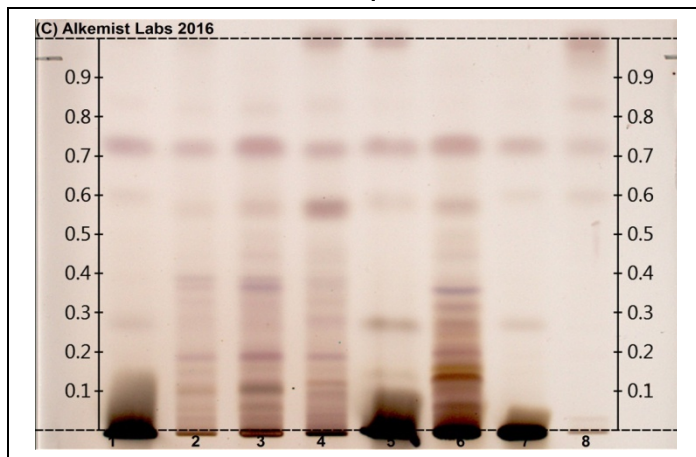
Certificate Issued To:  
**Superman Herbs**  
2800 S. Rodeo Gulch Dr Unit G  
Soquel, CA 95073  
USA



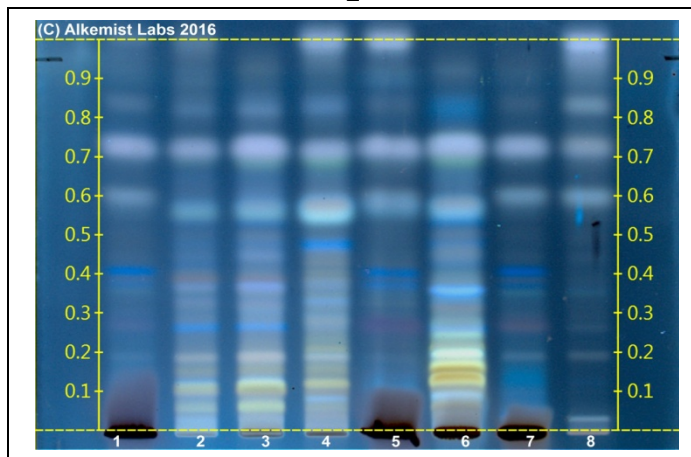
Work performed at:  
**Alkemist Labs**  
1260 Logan Ave B2  
Costa Mesa, CA 92626  
714-754-HERB (4372)  
714-668-9972 (FAX)  
sales@alkemist.com  
www.alkemist.com

**Certificate of Analysis: Reishi (RNA-1115)**  
High Performance Thin-Layer Chromatography with Photo-Documentation

1



2



Company Name: Superman Herbs  
Title: Reishi  
Plant Part: fruiting body  
Sample Received: 3/16/2016  
Sample Description: Clear Reclosable Plastic Bag  
Form of Botanical: powdered extract  
Appearance: dark brown fine powder  
Lot: (RNA-1115) → Lane 6(4μl)  
Sample: H07616SUP\_1  
Latin Name: Ganoderma lucidum (Curtis: Fr.) P. Karst. [Ganodermataceae]  
Reference Sample: Lane 1(8μl) (H10113FPM1) Ganoderma lucidum (mycelia); Lane 2(8μl) (H30113AHP1) Ganoderma lucidum (fruiting body); Lane 3(8μl) (H10113FPM2) Ganoderma lucidum (fruiting body); Lane 7(8μl) (H10113FPM1) Ganoderma lucidum (mycelia); Lane 8(8μl) (GT12113NAMX1) Oryza sativa (grain); held at Alkemist Labs, Costa Mesa, CA.  
Analyst: N. Hoang, L. Scott, P. Fast, T. Collins 67392  
Sample Prep: 0.3g+3mL 70% grain EtOH sonicate/heat @-50° C ~ 1/2 hr  
Stationary Phase: Silica gel 60, F<sub>254</sub>, HPTLC plates  
Mobile Phase: toluene: ethyl formate: HCOOH [5/5/0.2]  
Detection: (1) 10% Ethanolic H<sub>2</sub>SO<sub>4</sub> → 120° C 10 min → visible light  
(2) 10% Ethanolic H<sub>2</sub>SO<sub>4</sub> → 120° C 10 min → UV 365 nm  
Reference Source: BTM-715-0126 R1  
IDT-SOP-72-01

**Comments & Conclusions:** Lane 6 is the test sample Reishi (RNA-1115). Lanes 1, 2, 3, 7, 8 are the reference samples used for comparison. This test sample, Reishi (RNA-1115), is consistent with the chromatographic profile of the reference sample of Ganoderma lucidum (Curtis: Fr.) P. Karst. [Ganodermataceae], used above. **This test sample, Reishi (RNA-1115) has characteristics of an extract derived from Ganoderma lucidum (Curtis: Fr.) P. Karst. [Ganodermataceae] fruiting body.**

*NOTE: The above conclusion may be a function of the natural variance found in botanicals &/or the extraction process used to create specific extracts. The growing and drying conditions, age, seasonal variations, geographic location, extraction solvents, etc. all play a role in the phytochemical fingerprint of botanicals as well as their extracts; hence, chromatographic variations are expected.*

Examined, Reviewed & Authorized by: Sandy Sudberg, Senior Data Analyst, Alkemist Labs

Report Date: 3/23/2016



Note: Any unidentified lanes in the above chromatograms are confidential and may represent internal studies or other test samples not related to RNA-1115. This report applies to the sample investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. This report is for the exclusive use of the party who requested the report and not for public dissemination or use by third parties, including for promotional purposes, without the prior written permission of Alkemist Labs, Inc. This report provides technical results for a specific sample and the report shall not be altered, modified, supplemented or abstracted in any manner. Any violation of these conditions renders the report and its results void. © 2016 Alkemist Labs, Inc. All Rights Reserved