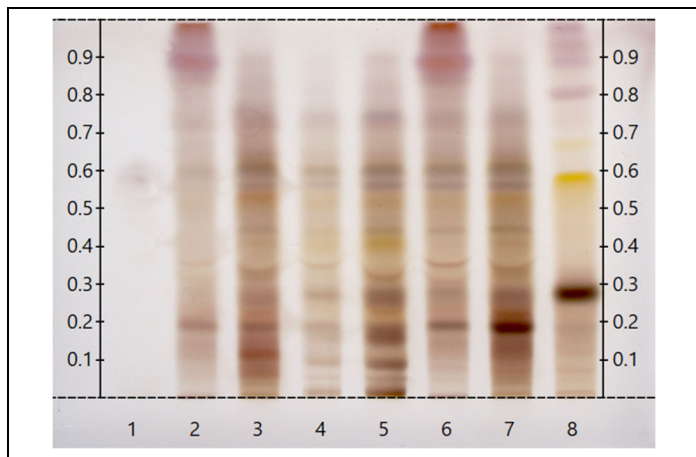


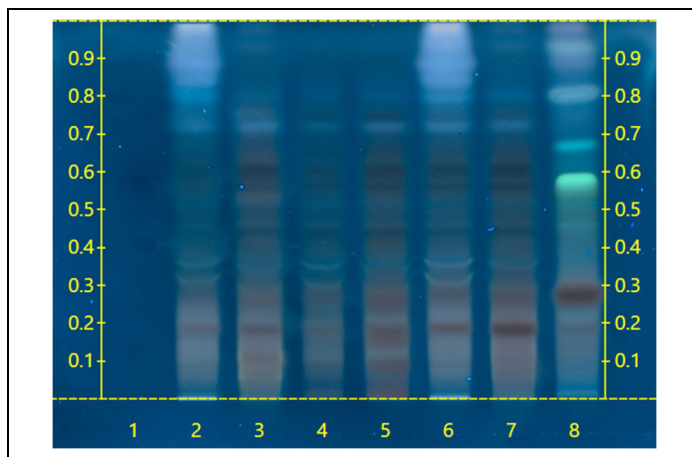


**Certificate of Analysis: Albizia (BALB14APR23)**  
High Performance Thin-Layer Chromatography with Photo-Documentation

1



2



Company Name: Lost Empire Herbs  
Title: Albizia  
Plant Part: bark  
Sample Received: 05/01/23  
Sample Packaging: Clear Reclosable Plastic Bag  
Form of Botanical: powdered extract  
Appearance: beige powder  
Lot Number: (BALB14APR23) → Lanes 4(1µl), 5(3µl)  
Sample: 23121PXY\_1  
Latin Name: *Albizia julibrissin* Durazz. [Fabaceae]  
Reference Sample: Lane 2(3µl) (KNP24718AHP1), Lane 3(µl) (KNP19613SWH1), Lane 6(3µl) (KNP13415KAN1), Lane 7(3µl) (KNP19913MYWY1) *Albizia julibrissin* (bark); Lane 8(3µl) (KNP19613SWH2) *Albizia julibrissin* (flower); held at Alkemist Labs, Garden Grove, CA.

Analyst: A.Foults, D.Robinson, J.Mares, K.Chopra, K.Montoya, K.Tran, L.Tang, M.Fox, N.Alvarez, N.Hoang, N.Afendikova, N.Waldstreicher, P.Hoang, S.Kabbaj, S.Sudberg 199713

Sample Preparation: 0.3g+3mL Methanol, sonicate/heat at 50°C for 30 min.  
Stationary Phase: Silica gel 60, HPTLC plates  
Mobile Phase: Chloroform: Methanol: Water [6.4/5/1]  
Detection: (1) 10% Sulfuric, 100°C, 2min, Vis (Reich, E., 2007)  
(2) 10% Sulfuric, 100°C, 2min, 366nm (Reich, E., 2007)

Reference Standard: Lane 1(3µl) (+)-Catechin Hydrate (00003310-QIA, CHR), Methanol (22E0661031, VWR)  
Reference Source: Method Developed by Alkemist Labs  
IDT-SOP-72-01

**Comments & Conclusions:** Lanes 4, 5 are the test sample Albizia (BALB14APR23). Lanes 2, 3, 6, 7, 8, are the reference samples used for comparison. This test sample, Albizia (BALB14APR23) is consistent with the chromatographic profile of the reference samples of *Albizia julibrissin*, used above. **This test sample Albizia (BALB14APR23) has characteristics of *Albizia julibrissin* bark.**

**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: Javier Mares, HPTLC Production Lead Chemist, Alkemist Labs

Report Date: 05/10/23

ISO/IEC 17025



CERTIFICATE #3851.01

Note: Any unidentified lanes in the above chromatograms are confidential and may represent internal studies or other test samples not related to BALB14APR23. 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. © 2023 Alkemist Labs, Inc. All Rights Reserved