

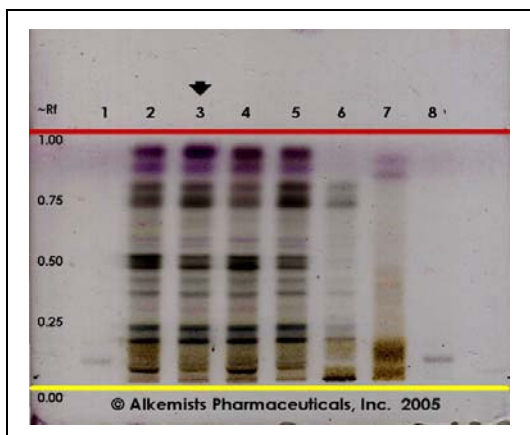
Certificate Issued To:
Bushman Hoodia
Unit 5 PatrysCrescent
Okavango Park, Brackenfell 7560
South Africa



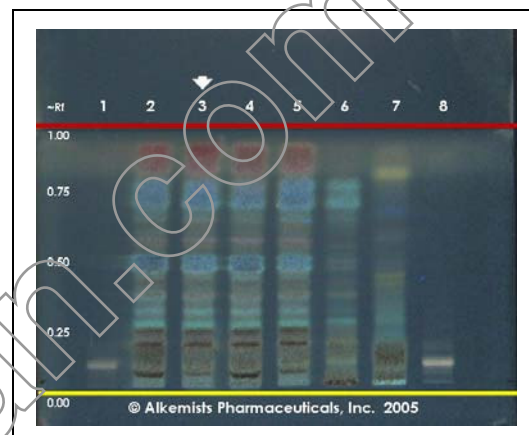
Work performed at:
Alkemists Pharmaceuticals
 1260 Logan Ave B3
 Costa Mesa, CA 92626
 714-754-HERB (4372)
 714-668-9972 (FAX)
 E-mail: phytolab@alkemist.com
 Web Site: www.alkemist.com

Certificate of Analysis: Hoodia gordonii (BH3009)
High Performance Thin-Layer Chromatography with Photo-Documentation

(1)



(2)



Company Name: Bushman Hoodia
 Title: Hoodia gordonii
 Plant Part: aerial part
 Sample Received: 11/28/2005
 Sample Description: ~25 grams in a ziplock bag
 Form of Botanical: crude plant powder
 Appearance: light tan powder
 Lot #: (BH3009) → Lane 3(3µl)
 Sample #: AU33205HB
 Latin Name: Hoodia gordonii
 Reference Sample #: Lane 4(3µl) (AU11805MHS1) (aerial part); Lane 5(3µl) (AU05505HPL) (aerial part) Hoodia gordonii authenticated by macroscopic, microscopic &/or TLC studies according to the reference source cited below, and matching the voucher specimen (AU20604AP) held at Alkemists Pharmaceuticals, Costa Mesa, CA.

Examiner: SSS
 Sample Prep: 0.3 g + 3 ml CH₃OH sonicated + heated in a dry block incubator @ 65° C ~ 1 hr.
 Stationary Phase: Silica gel 60, F₂₅₄, 10 x 10 cm HPTLC plates
 Mobile Phase: ethyl acetate: methanol: water [7.7/1.7/1]
 Detection: (1) Vanillin/H₂SO₄ Reagent → 110° C 5 min → visible light
 (2) Vanillin/H₂SO₄ Reagent → 110° C 5 min → UV 365 nm
 Reference Std: Lanes 1(3µl) and 8(3µl) Aescin (93H1029, Sigma-Aldrich) ~0.1% in CH₃OH
 Reference Source: Method Developed by Alkemists Pharmaceuticals

Comments & Conclusions: Yellow line = sample origin @ 10mm, red line = solvent front @ 60mm. Lane 3 is the test sample Hoodia gordonii (BH3009). Lanes 4, 5 are the authenticated reference samples used for comparison. As per the reference cited above & the reference samples used for comparison, this test sample is characteristic of Hoodia gordonii. **The chromatographic profile demonstrated above confirms the identity of Hoodia gordonii (BH3009).**

Authorized by: Sidney Sudberg, Director, Alkemists Pharmaceuticals

Report Date: 12/8/2005

This report applies to the sample investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public and this laboratory, this report is submitted and accepted for the exclusive use of the client whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from this laboratory.
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