

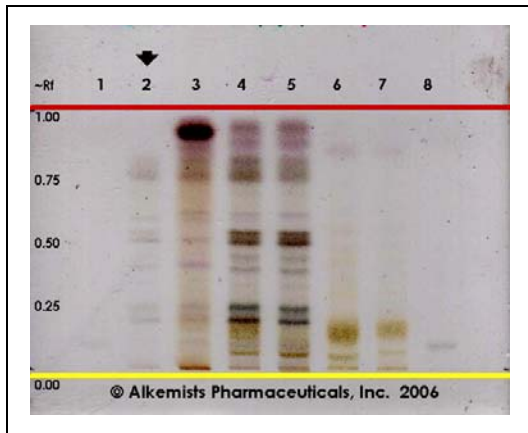
Certificate Issued To:
Desert Burn Industries
1310 Dawsonville Hwy Suite D
Gainesville, GA 30501
USA



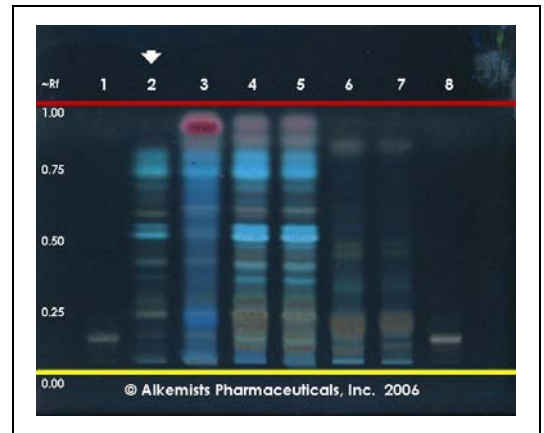
Work performed at:
Alkemists Pharmaceuticals
1260 Logan Ave B3
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Certificate of Analysis 1 of 2: Desert Juice-Hoodia (6F22 Exp06/11)
High Performance Thin-Layer Chromatography with Photo-Documentation

1



2



Company Name: Desert Burn Industries
Title: Desert Juice-Hoodia
Plant Part: aerial part
Sample Received: 6/6/2006
Sample Description: 2 oz in a sealed brown bottle with a dropper top
Form of Botanical: liquid extract
Appearance: dark yellow liquid
Source: Desert Burn
Lot #: (6F22 Exp06/11) → Lane 2(3µl)
Sample #: AU15706DBL1
Latin Name: Hoodia gordonii (Masson) Sweet ex Decne
Reference Sample #: Lane 4(3µl) (AU36504FMG) (aerial part); Lane 5(3µl) (AU11805MHS1) (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: SPE clean up for glycerin removal; make up to 5mL (500mg/mL); dilute 1:10
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 2 is the test sample Desert Juice-Hoodia (6F22 Exp06/11). 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 a liquid extract derived from Hoodia gordonii. **The chromatographic profile demonstrated above confirms the identity of Desert Juice-Hoodia (6F22 Exp06/11).**

Authorized by: Sidney Sudberg, Director, Alkemists Pharmaceuticals

Report Date: 6/12/2006

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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