

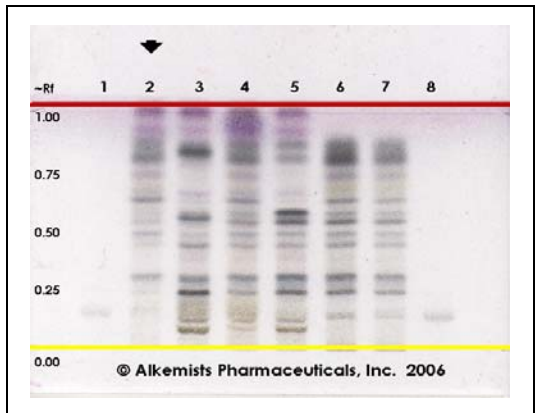
Certificate Issued To:
Desert Burn Industries
1310 Dawsonville Hwy Suite D
Gainesville, GA 30501



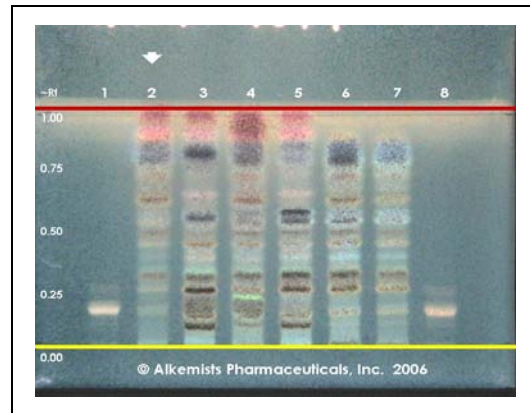
Work performed at:
Alkemists Pharmaceuticals
1260 Logan Ave B3
Costa Mesa, CA 92626
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E-mail: info@alkemist.com
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Certificate of Analysis 1 of 3: Hoodia (03114EXP 1208)
High Performance Thin-Layer Chromatography with Photo-Documentation

1



2



Company Name: Desert Burn Industries
Title: Hoodia
Plant Part: aerial part
Sample Received: 12/14/2006
Sample Description: ~0.7g x 60 capsules in a black sealed bottle
Form of Botanical: crude plant powder
Appearance: beige powder with speckles in clear capsules
Source: N/A
Lot #: (03114EXP 1208) → Lane 2(5µl)
Sample #: AU34806DBL
Latin Name: Hoodia gordonii (Masson) Sweet ex Decne
Reference Sample #: Lane 4(5µl) (AU29006TA2) (aerial part); Lane 5(5µl) (AU21906DBL) (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: 0.2 g + 4ml 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 2 is the test sample Hoodia (03114EXP 1208). Lanes 4, 5 are the authenticated reference samples used for comparison.

This test sample, Hoodia (03114EXP 1208), is consistent with the chromatographic profile of the reference samples of Hoodia gordonii used above & is characteristic of Hoodia gordonii aerial part.

Authorized by: Sidney Sudberg, Director, Alkemists Pharmaceuticals

Report Date: 12/27/2006

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