

Certificate Issued To:
Prime Life Nutraceuticals, Inc.
5390 Overpass Rd.
Santa Barbara, CA 93111

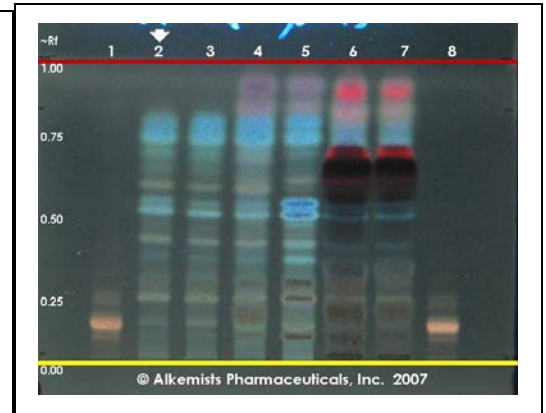
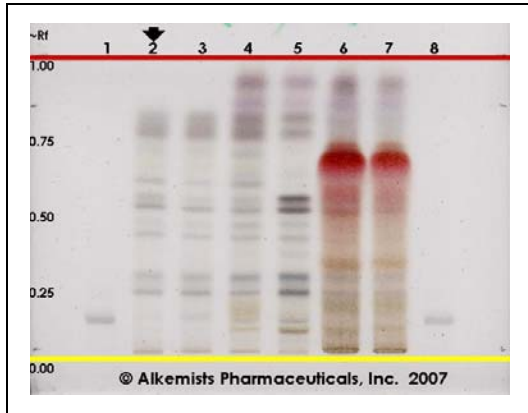


Work performed at:
Alkemists Pharmaceuticals
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714-668-9972 (FAX)
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Web Site: www.alkemist.com

Certificate of Random Analysis 2 of 2: "HoodiSpray" liquid extract (7M04)
High Performance Thin-Layer Chromatography with Photo-Documentation

1

2



Company Name: Prime Life Nutraceuticals, Inc.
Title: "HoodiSpray"
Plant Part: aerial part
Sample Received: 8/21/2007
Sample Description: 30ml in a labeled and sealed bottle
Form of Botanical: liquid extract
Appearance: liquid in bottle
Source: N/A
Lot #: (7M04) → Lane 2(5μl)
Sample #: AU23307PLN1
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 4586
Sample Prep: measure 1 ml exactly, SPE clean up for glycerin removal, QS to 5mL MeOH exactly
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 @ 70mm. Lane 2 is the test sample ("HoodiSpray") (7M04). 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 an extract derived from a blend containing Hoodia gordonii. The chromatographic profile demonstrated above indicates the presence of Hoodia gordonii aerial part liquid extract in "HoodiSpray" blend (7M04).

Authorized by: Sidney Sudberg, Director, Alkemists Pharmaceuticals

Report Date: 8/23/2007

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