

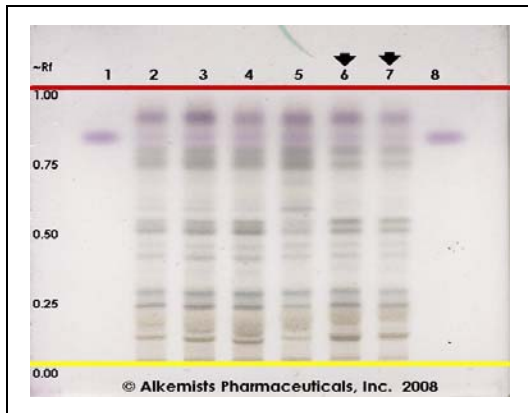
Certificate Issued To:
BioCell Technology
4695 MacArthur Court 11th Floor
Newport Beach, CA 92660



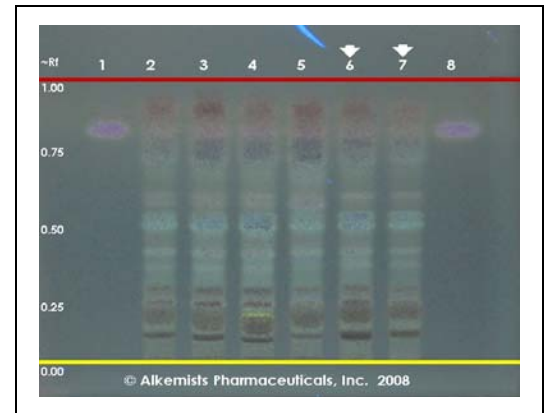
Work performed at:
Alkemists Pharmaceuticals
1260 Logan Ave B3
Costa Mesa, CA 92626
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E-mail: info@alkemist.com
Web Site: www.alkemist.com

Certificate of Analysis 2 of 3: Hoodia gordonii (KB0207)
High Performance Thin-Layer Chromatography with Photo-Documentation

1



2



Company Name: BioCell Technology
Title: Hoodia gordonii
Plant Part: aerial part
Sample Received: 4/30/2008
Sample Description: ~35g in a white bottle
Form of Botanical: crude plant powder
Appearance: beige to tan powder
Source: n/a
Lot #: (KB0207) → Lanes 6(5µl), 7(3µl)
Sample #: AU12108BCT
Latin Name: Hoodia gordonii (Masson) Sweet ex Decne
Reference Sample #: Lane 4(5µl) (AU14207AHPA1) (aerial part); Lane 5(5µl) (AU29006TA2) (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 6092
Sample Prep: 0.25g exactly + 5ml CH₃OH sonicated + heated @ 50° 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) Sitosterol (19285-541, Chromadex) ~0.1% in CH₃OH
Reference Source: Method Developed by Alkemists Pharmaceuticals

Comments & Conclusions: Yellow line = sample origin @ 10mm, red line = solvent front @ 70mm. Lanes 6, 7 are the test sample Hoodia gordonii (KB0207). Lanes 4, 5 are the authenticated reference samples used for comparison. **This test sample, Hoodia gordonii (KB0207), is consistent with the chromatographic profile of the reference samples of Hoodia gordonii used above. This test sample, Hoodia gordonii (KB0207) is characteristic of Hoodia gordonii aerial part.**

Authorized by: Sidney Sudberg, Director, Alkemists Pharmaceuticals

Report Date: 5/8/2008

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