

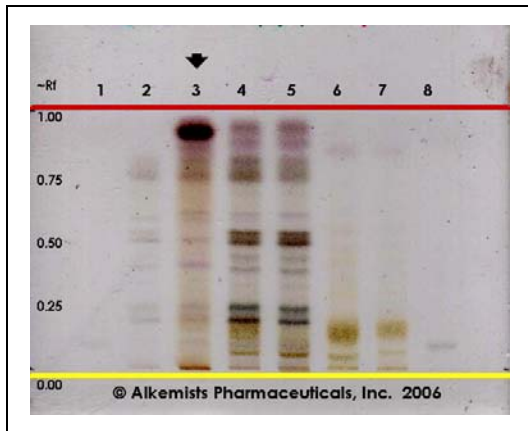
Certificate Issued To:
Desert Burn Industries
1310 Dawsonville Hwy Suite D
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USA



Work performed at:
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Certificate of Analysis 1 of 3: Hoodia Java Blend (6/6/2006)
High Performance Thin-Layer Chromatography with Photo-Documentation

1



2



Company Name: Desert Burn Industries
Title: Hoodia Java Blend
Plant Part: aerial part
Sample Received: 6/6/2006
Sample Description: 255g in a sealed metallic/gold plastic bag
Form of Botanical: crude plant powder
Appearance: dark brown coarse ground powder
Source: Desert Burn
Lot #: (6/6/2006) → Lane 3(3µl)
Sample #: AU15706DBL2
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: 5.0 g + 5 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 Java Blend (6/6/2006). 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 indicates the presence of Hoodia in Hoodia Java Blend (6/6/2006).**

Authorized by: Sidney Sudberg, Director, Alkemists Pharmaceuticals

Report Date: 6/12/2006