

Certificate Issued To:



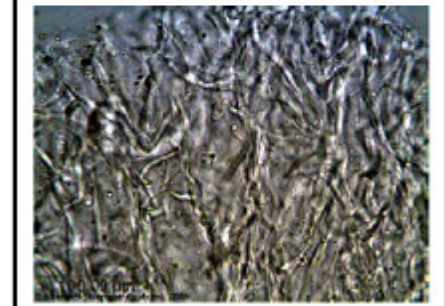
Work performed at:  
**Alkemists Pharmaceuticals Inc.**  
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**Certificate of Analysis 3 of 3: Hoodia aerial part (060814)**  
**Microscopy with Digital Photo-Documentation**

1



2



Company Name: Hoodia  
Title: aerial part  
Plant Part: 8/31/2006  
Sample Received: ~40g in a zip lock bag  
Sample Description: N/A  
Source: crude plant powder  
Form of Botanical: beige powder with speckles  
Appearance: 060814  
Lot #: AU24306MHS  
Sample #: Voucher Specimen AU20604AP; AU19106TA6; AU15606AHP2; AU19004PHX, AU11004CHR, AU02006NW, AU11805MHS1 Hoodia gordonii (Masson) Hoodia gordonii (Masson) Sweet ex Decne authenticated by macroscopic, microscopic &/or TLC studies according to the reference source cited below held at Alkemists Pharmaceuticals, Costa Mesa, CA.  
Reference Sample #: Hoodia gordonii (Masson) Sweet ex Decne  
  
Latin Name: EMS  
Examiner: (1) 400X  
Magnification: (1) acidified chloral hydrate glycerol solution  
Chemical Reagents: (1) fragment of a fiber showing whirled striations  
Sample Findings: (2) 400X  
Magnification: (2) acidified chloral hydrate glycerol solution  
Chemical Reagents: (2) large thin walled parenchyma with wrinkled cell walls  
Sample Findings: Method Developed by Alkemists Pharmaceuticals  
Reference Source: USP-PF, Vol. 27(2) [Mar.-Apr. 2001]; Official Methods of Analysis of AOAC, 16<sup>th</sup> Ed.

**Comments & Conclusions:**

This sample is representative of Hoodia gordonii (Masson) Sweet ex Decne aerial part based on authenticated microscopic references and the consistent characteristic cellular structure of an aerial part as well as the references cited above. The characteristic cellular structures identified in this sample are the fragment of a fiber showing whirled striations seen in micrograph (1) above & in micrograph (2) we see the large thin walled parenchyma with wrinkled cell walls. **These characteristic cellular structures confirm the identity of Hoodia aerial part (060814).**

Analyzed by: Élan M Sudberg  
Authorized by: Sidney Sudberg, Director, Alkemists Pharmaceuticals

Report Date: 9/6/2006

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