

Certificate Issued To:
Great Herbal Labs LLC
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USA



Work performed at:
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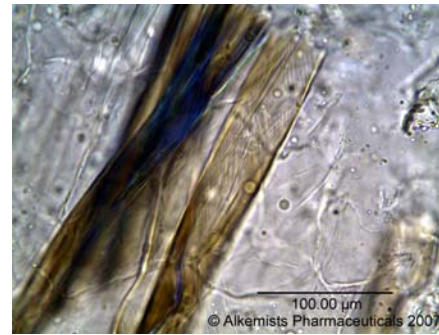
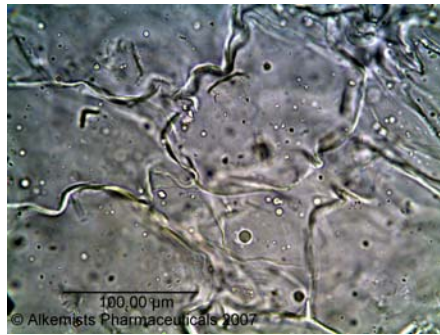
Certificate of Analysis 3 of 3: Hoodia gordonii (336705)

Macroscopy & Microscopy with Digital Photo-Documentation

1

2

3



Company Name:	Great Herbal Labs LLC
Title:	Hoodia gordonii (Masson) Sweet ex Decne
Plant Part:	aerial parts
Sample Received:	8/17/2007
Sample Description:	~4 grams in a ziplock bag
Form of Botanical:	crude plant powder
Appearance:	(1) light tan powder
Lot #:	336705
Sample #:	AU22907GHL
Latin Name:	Hoodia gordonii (Masson) Sweet ex Decne
Reference Sample #:	AU14207AHPA1, AU21906DBL, AU29006TA2, AU20604AP, AU15606AHP2, AU30405TA1 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.
Examiner:	EMS
Magnification:	(2) 400X
Chemical Reagents:	(2) acidified chloral hydrate glycerol solution
Sample Findings:	(2) large thin walled parenchyma showing wrinkled cell walls
Magnification:	(3) 400X
Chemical Reagents:	(3) acidified chloral hydrate glycerol solution
Sample Findings:	(3) fiber showing whirled striations
Reference Source:	Method Developed by Alkemists Pharmaceuticals USP-PF, Vol. 27(2) [Mar.-Apr. 2001]; Official Methods of Analysis of AOAC, 16 th Ed.

Comments & Conclusions:

This sample is representative of Hoodia gordonii aerial parts based on an authenticated reference samples and the consistent characteristic cellular structure of an aerial parts as well as the references cited above. The characteristic cellular structures identified in this sample are the large thin walled parenchyma showing wrinkled cell walls seen in micrograph (2) above. In micrograph (3) we see the fiber showing whirled striations. **This test sample, Hoodia gordonii (336705), is consistent with the microscopic characteristics of the reference samples of Hoodia gordonii used above & is characteristic of Hoodia gordonii aerial parts.**

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

Report Date: 8/23/2007

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