

Certificate Issued To:
Desert Burn Industries
1310 Dawsonville Hwy Suite D
Gainesville, GA 30501
USA



Work performed at:
Alkemists Pharmaceuticals Inc.
1260 Logan Ave B3
Costa Mesa, CA 92626
714-754-HERB (4372)
714-668-9972 (FAX)
E-mail: info@alkemist.com
Web Site: www.alkemist.com

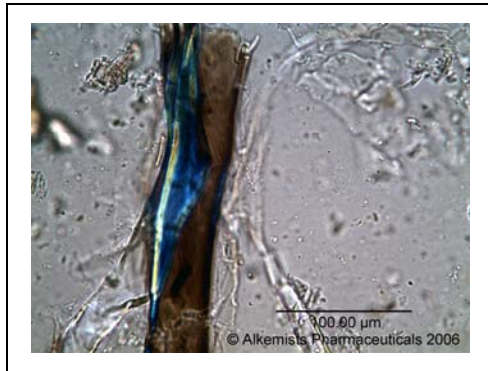
Certificate of Analysis 3 of 3: Hoodia (03114EXP 1208)

Macroscopy & Microscopy with Digital Photo-Documentation

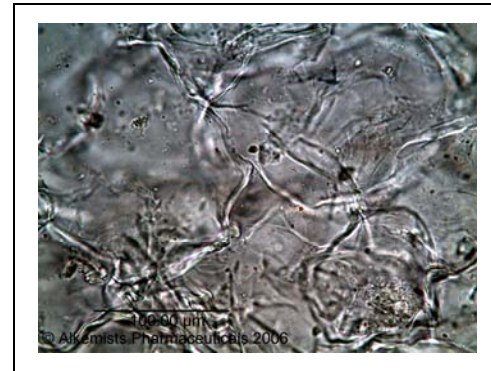
1



2



3



Company Name:	Desert Burn Industries
Title:	Hoodia
Plant Part:	aerial part
Sample Received:	12/14/2006
Sample Description:	~0.7g x 60 capsules in a black sealed bottle
Form of Botanical:	crude plant powder
Appearance:	(1) sealed bottle
Lot #:	03114EXP 1208
Sample #:	AU34806DBL
Latin Name:	Hoodia gordonii (Masson) Sweet ex Decne
Reference Sample #:	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) fiber showing whirled striations
Magnification:	(2) 400X
Chemical Reagents:	(3) acidified chloral hydrate glycerol solution
Sample Findings:	(3) large thin walled parenchyma showing wrinkled cell walls
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 part based on authenticated reference samples and the consistent characteristic cellular structure of an aerial part as well as the reference cited above. The characteristic cellular structures identified in this sample are the fiber showing whirled striations seen in micrograph (2) above. In micrograph (3) we see the large thin walled parenchyma showing wrinkled cell walls. **This test sample, Hoodia (03114EXP 1208), is consistent with the microscopic characteristics of the reference samples of Hoodia gordonii used above & is characteristic of Hoodia gordonii aerial part.**

Analyzed by: Élan M Sudberg

Authorized by: Sidney Sudberg, Director, Alkemists Pharmaceuticals

Report Date: 12/27/2006

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