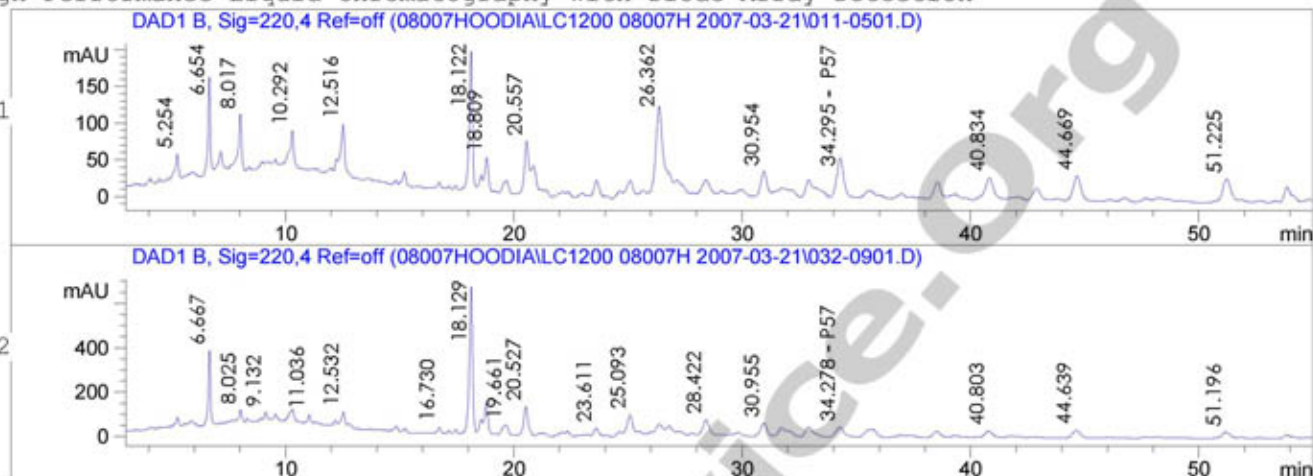




**\*\*CERTIFICATE OF ANALYSIS 2 of 3\*\***  
 Fingerprint analysis of Hoodia gordonii for identity & purity

High Performance Liquid Chromatography with Diode Array Detection



- 1- Chromatogram of Reference Material: Hoodia gordonii aerial parts - Voucher specimen from South Africa, Grid:3320CA - Ernst van Jaarsveld #19891, AP # AU29006TA2
  - 2- Chromatogram of Test Sample: "Hoodia Hoodia" Dietary supplement - Hoodia gordonii (400mg/capsule) - Lot #061215 exp 1/2011, AP #AU07107MHS1
- Reference analyte: steroidal glycoside P57 - Source: Univ. of Mississippi, Lot#07/17/06

Ret. Time	Compound Name	w/w %
34.30	P57	0.22

Chromatographic Conditions:

References	: I.Khan et al., Journal of AOAC Int'l, Vol 89, No 3, p 606, 2006		
Method	: Hoodia AOAC2.M	Mobile Phase C:	Water + 0.025% TFA
Sequence	: 08007H.S	Mobile Phase D:	ACN + 0.025% TFA
HPLC Column	: Gemini 5u C18 150 X 4.6mm	Gradient:	Time %C %D
Flow Rate	: 1.0 mL/min	t=0	85% 15
Injection	: 25 µL	t=15min	55 45
Column Temp	: 35° C	t=50min	30 70
UV Detection	: 220nm	t=55min	10 90

Sample Preparation: ~0.2g of test sample + 4.0 mL MeOH sonicated for 30 min, heated for 1h in a dry block incubator @60°C then filtered into HPLC vial for analysis.

Conclusion: The chromatographic profile #2 (test sample) is consistent with fingerprint #1 (voucher specimen). Analyte P57 which is used as the marker compound to assess identity and quality of Hoodia gordonii can be detected

Analysis Date:3/22/2007

Analyzed by C.Ventre,PhD

Authorized by S.Sudberg, Director

This report applies to the sample investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. This report is for the exclusive use of the party who requested the report and not for public dissemination or use by third parties, including for promotional purposes, without the prior written permission of Alkemists Pharmaceuticals, Inc. This report provides technical results for a specific sample and the report shall not be altered, modified, supplemented or abstracted in any manner. Any violation of these conditions renders the report and its results void.  
 © 2007 Alkemists Pharmaceuticals, Inc. All Rights Reserved