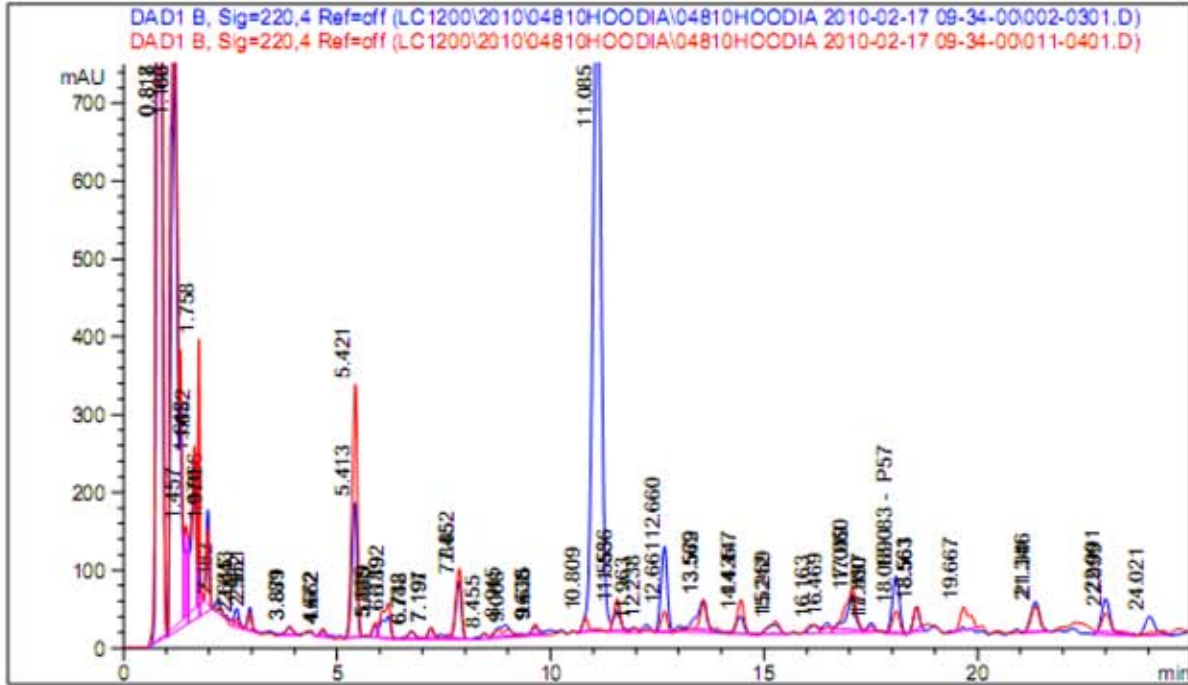




CERTIFICATE OF ANALYSIS 1 of 3

Fingerprint analysis of Hoodia gordonii for Identity & Purity
 High Performance Liquid Chromatography with Diode Array Detection



Test Sample: Hoodia gordonii (Hoodia gordonii)- Lot#: 0315E9 - AP#: AU04110FMG - Sample Received: 02/10/10

Reference Std: Hoodia gordonii South Africa - Ernst van Jaarsveld #19891 Grid:3320CA AP# AU29006TA2

Retention Time (min)	Compound Name	Weight%				
18.0	P57	0.0797				

Chromatographic Conditions:			
HPLC Column:	Gemini 3µ C18 (150 x 4.6mm)	Flow Rate:	1.7 mL/min
LC Instrument	LC1200	Column Temp	40 °C
Mobile Phase C:	System 2	Injection:	25 µL
Mobile Phase D:	System 2		
		UV Detection:	220nm
		Method:	HOODIA_G3_SYS2.M
		Data:	04810hoodia

Sample Preparation: Weighed 250mg of Hoodia and add 5ml of MeOH, sonicated & heated @ 45°C for 1 hr. Centrifuged for 10 minutes and transferred into hplc vial for analysis.

Markers: P57 (Chromadex Lot 16001-AS3)

Conclusion: Chromatographic profile of test sample is consistent with fingerprint of reference specimen. Analyte P57 which is used as the marker compound to assess identity and quality of Hoodia gordonii can be detected as 0.0797% by weight.



Digitally signed by Elan Sudberg
 DN: cn=Elan Sudberg,
 email=elan@alkemists.com,
 o=Alkemists Pharmaceuticals, c=US
 Date: 2010.02.24 12:23:40 -08'00'

Analysis Date: 02/17/10

Analyzed By: K Patel

Authorized By: S. Sudberg, Director

A04810-001

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