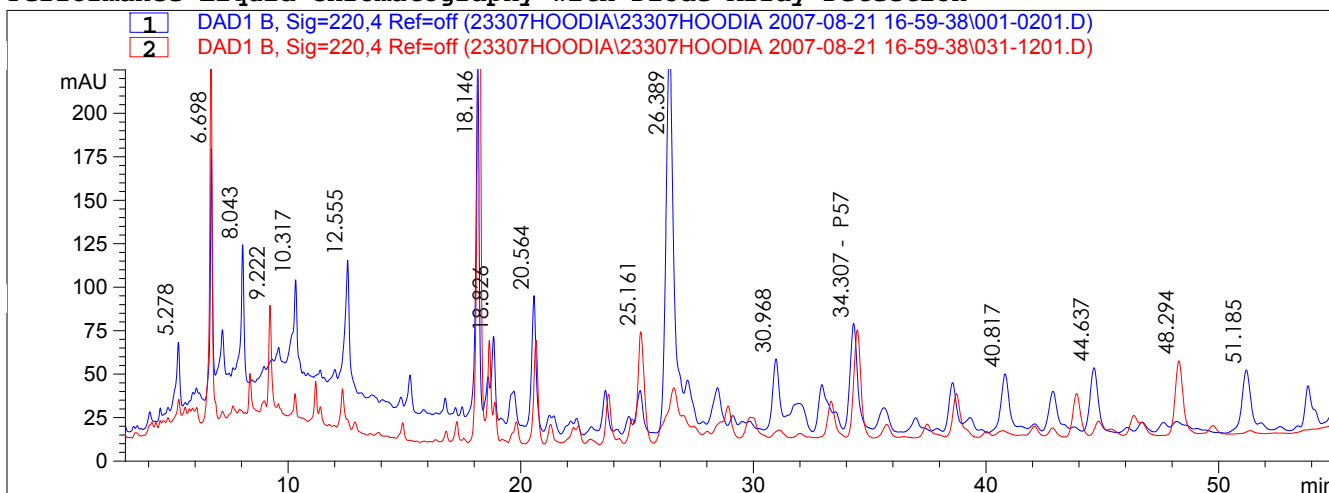




****CERTIFICATE OF ANALYSIS 1 of 3****

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 gordonii - Crude plant powder - Lot #336705, AP #AU22907GHL

Reference analyte: steroidal glycoside P57 - Source: Univ. of Mississippi, Lot#07/17/06

Ret. Time	Compound Name	w/w %
34.31	P57	0.25

Chromatographic Conditions:

References : I.Khan et al., Journal of AOAC Int'l, Vol 89, No 3, p 606, 2006
 Method : Hoodia_AOAC2.M
 Data : 23407H.S Mobile Phase C: Water + 0.025% TFA
 HPLC Column : Gemini 5µ C18 150 X 4.6mm Mobile Phase D: ACN + 0.025% TFA
 Flow Rate : 1.0 mL/min Gradient: Time %C %D
 Injection : 25 µL t=0 85% 15
 Column Temp : 35° C t=15min 55 45
 UV Detection : 220nm t=50min 30 70
 t=55min 10 90

Sample Preparation: 0.25g of test sample + 5.0 mL MeOH sonicated for 30 min, heated for 1 hr @ 60°C in a dry block incubator then filtered through PTFE membrane into HPLC vial for analysis.

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

Analysis Date:8/22/2007

Analyzed by C.Ventre, PhD

Authorized by S.Sudberg, Director

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