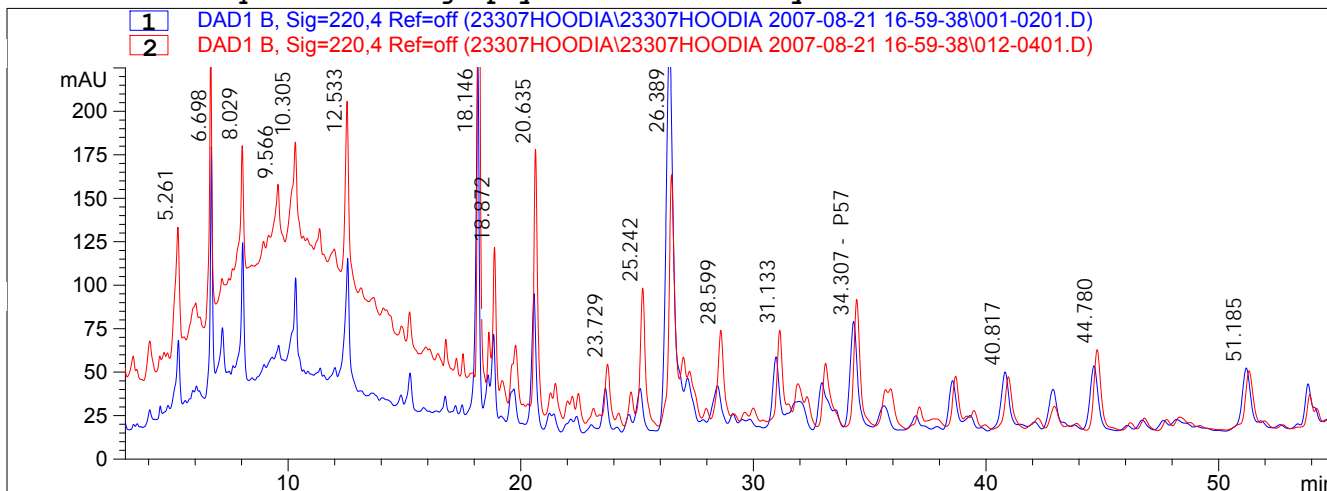




**\*\*CERTIFICATE OF Random ANALYSIS 1 of 2\*\***

**Fingerprint analysis of Hoodia gordonii for identity & purity**

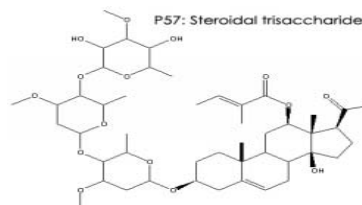
**High Performance Liquid Chromatography with Diode Array Detection**



- 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: "HoodiSpray" dietary supplement - Liquid extract spray mist - Proprietary blend of Hoodia gordonii (Claim: 250 mg/ml) - Lot #7M04 - AP #AU23307PLN1

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

Ret. Time	Compound Name	Conc.
34.31	P57	600ug/ml



**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  
 HPLC Column : Gemini 5µ C18 150 X 4.6mm  
 Flow Rate : 1.0 mL/min  
 Injection : 25 µL  
 Column Temp : 35° C  
 UV Detection : 220nm

Mobile Phase C: Water + 0.025% TFA  
 Mobile Phase D: ACN + 0.025% TFA

Time	%C	%D
t=0	85%	15
t=15min	55	45
t=50min	30	70
t=55min	10	90

**Sample Preparation:** "HoodiSpray" bottle content was shaken vigorously and sonicated for 15min at 45C. 1ml was taken out, dissolved & sonicated for 30min with MeOH (total volume 5ml). Solution was then filtered 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. This "HoodiSpray" formulation has ~600ug/ml of P57. Assuming an exhaustive extraction process and the presence of 250mg of Hoodia per ml of solution, it can be estimated that the original Hoodia herb contained ~0.24 % of P57 by weight.

Analysis Date: 8/21/2007

Analyzed by C.Ventre, PhD

Authorized by S.Sudberg, Director

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