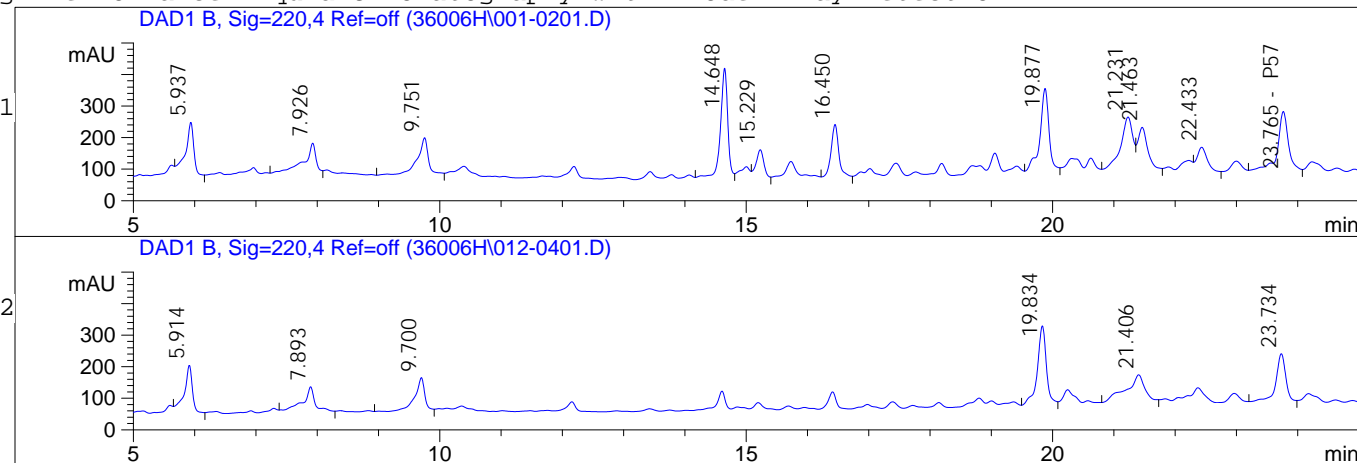




CERTIFICATE OF ANALYSIS 2 of 3

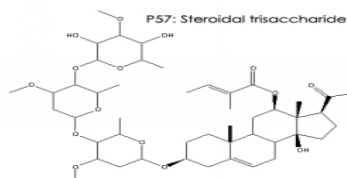
Fingerprint analysis of Hoodia gordonii for identity & purity

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 gordonii - Crude plant powder - Lot#03114EXP 1208, AP #AU34806DBL
Reference analyte: steroidal glycoside P57 - Source: Univ. of Mississippi, Lot#07/17/06

Ret. Time	Compound Name	w/w %
23.73	P57	0.35



Chromatographic Conditions:

References : I.Khan et al., Journal of AOAC Int'l, Vol 89, No 3, p 606, 2006
Method : Hoodia_AOAC.M
Sequence : 36006H.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 + 0.1% Acetic acid
Mobile Phase D: ACN + 0.1% Acetic Acid
Gradient: Time C D
t=0 80% 20%
t=35min - 100%

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

Conclusion: Chromatogram #2 (test sample) is consistent with chromatographic 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:12/26/2006 Analyzed by C.Ventre,PhD Authorized by S.Sudberg, Director

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