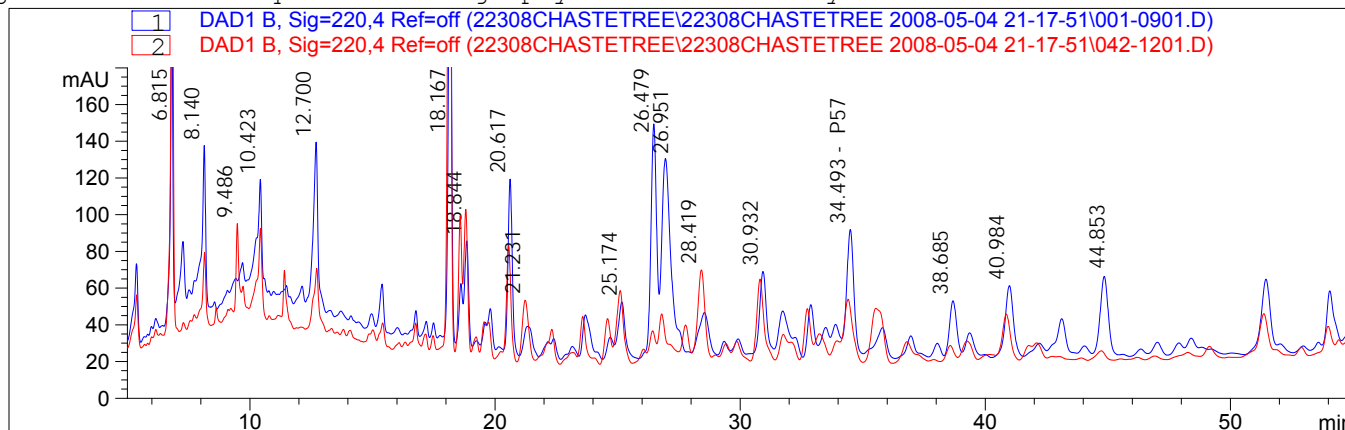




****CERTIFICATE OF ANALYSIS 1 of 3****

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 #KB0207 - AP #AU12108BCT - Sample received on 4/30/08

Semi - Quantitative Analysis:

Ret. Time Compound Name w/w %

 34.49 P57 0.15

"w/w %" means: mg P57 per 100mg Hoodia

Chromatographic Conditions:

References : I.Khan et al., Journal of AOAC Int'l, Vol 89, No 3, p 606, 2006
 Instrument : LC1200 Mobile Phase C: Water + 0.025% TFA
 Method : Hoodia_AOAC2.M Mobile Phase D: ACN + 0.025% TFA
 Sequence : 12308H.S Gradient: Time %C %D
 HPLC Column : Gemini 5µ C18 150 X 4.6mm t=0 85% 15
 Flow Rate : 1.0 mL/min t=15min 55 45
 Injection : 25 µL t=50min 30 70
 Column Temp : 35° C t=55min 10 90
 UV Detection : 220nm

Sample preparation: Weigh 250mg, add 5mL CH3OH, sonicate then heat at 60C for 20min. Filter through PTFE membrane into HPLC vial for analysis.

Conclusion: Chromatographic profile #2 (test sample) shows the peaks characteristics of Hoodia gordonii as seen in Chromatogram #1 (reference material). Analyte P57 which is used as the marker compound to assess identity and quality of Hoodia gordonii can be detected.

Note: Because of known co-elution of P57 with related steroidal glycosides the amount of P57 can only be estimated (actual value will be lower than reported value)

Analysis Date: 5/5/2008

Analyzed by C.Ventre, PhD

Authorized by S.Sudberg, Director

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