

January 14, 2008

CERTIFICATE OF ANALYSIS

Withaferin A

$C_{28}H_{38}O_6$

From *Withania somnifera*

M.W. 470.6

CAS [5119-48-2]

Lot # WT002

Appearance: White powder

Solubility: 20mg/ml DMSO, 10mg/ml methanol. Clear colorless solution.

TLC (CH₂Cl₂: methanol 95: 5): 99%
(RP C18, Methanol: H₂O 9: 1): 99%

HPLC (RP C18, CH₃CN: H₂O, 0% ⇒ 100% in 20 min. 227nm, flow rate: 1.5ml/min.): >99%

Melting point: 242°C

Yosef Behrend Ph.D