

CERTIFICATE OF ANALYSIS

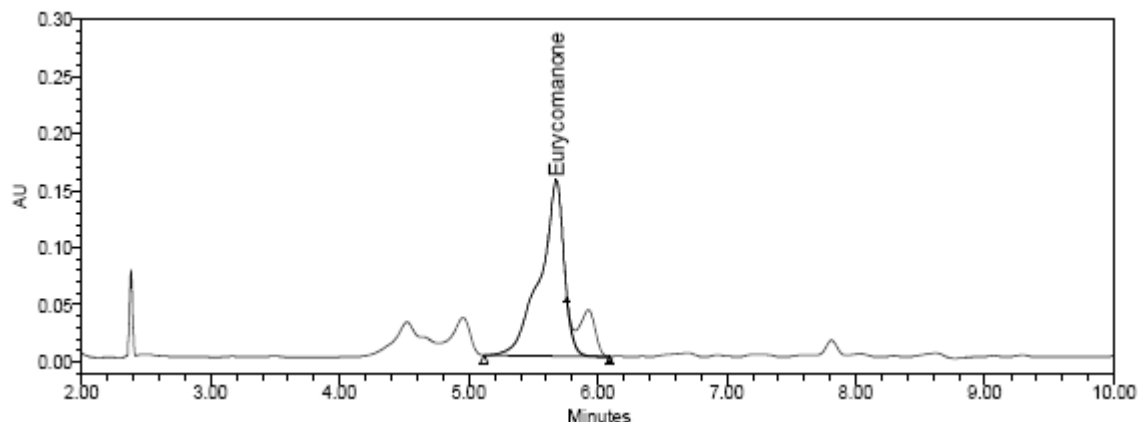


12661 HOOVER STREET GARDEN GROVE, CA 92841 | P. 714-754-4372 | F. 714-668-9972 | WWW.ALKEMIST.COM

Report Issued To: Yaju
Merwedeweg 5c2
Breukelen 3621 LP
Netherlands

Sample Name: Tongkat Ali Root Extract, 10%
Eurycomanone
Description: Finished product; Dark red opaque capsules
Lot #: 10TKA231007
AL #: 23303HRM_1
Analysis ID: 215508
Received: 10/30/23

Determination of Eurycomanone Content by HPLC



Ret. Time (min)	Compound Name	Prep 1 (%)	Prep 2 (%)	Average (%)	Average (mg/cap)	Specification	Result
5.7	Eurycomanone	4.688	4.749	4.718	17.842	10 mg/cap	Pass

Chromatographic Conditions:

Method: ATM-815-0222
Column: AP392 Luna 5 µm C18(2) 100 A (150 x 4.6 mm)
Temperature: 40°C
Flow Rate: 1 mL/min
Injection Volume: 20 µL
UV Detection: 254 nm
Mobile Phase: 0.1% Formic Acid in Water
Acetonitrile
HPLC Instrument: Alliance_6

Sample Preparation:

Composited the contents of 10 capsules. Weighed 100 mg sample into a 50 mL volumetric flask and added 40 mL of methanol. Vortexed for 30 seconds and sonicated for 15 minutes at room temperature. Let cool, filled to volume with methanol, and mixed by inversion. Filtered through 0.45 µm PTFE syringe filter.

Report Summary:

Conclusion: This "Tongkat Ali Root Extract, 10%" test sample contains an average of 18 mg/capsule eurycomanone on the as-is basis.
OOS Reference: N/A
Fill weight: 378.152 mg/capsule
WI Reference: 31223 Eurycomanone

Analysis Date : 11/09/23 **Analyzed By:** C Decasiano

Authorized By: Diana Jimenez,
Lead Analytical Chemist