

CERTIFICATE OF ANALYSIS

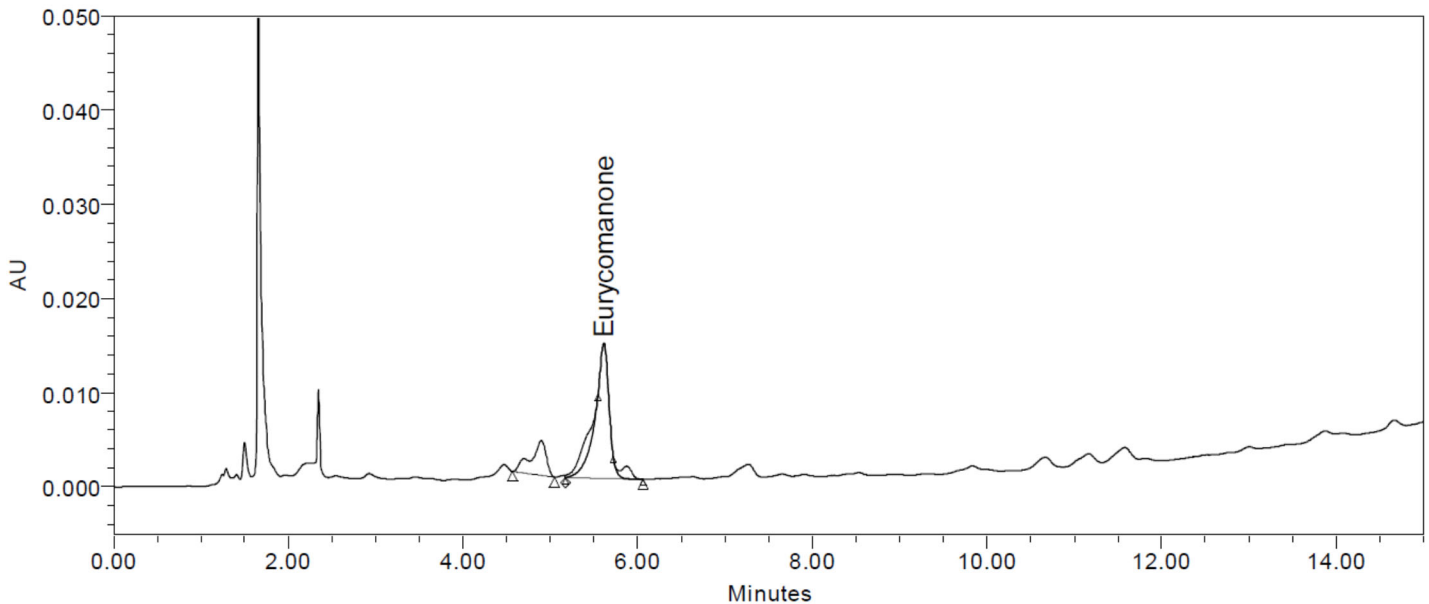


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Report Issued To: Lost Empire Herbs
195 Aviation Way Suite 102
Watsonville LA 95076-2059
USA

Sample Name: Tongkat Ali Spagyric Tincture
Description: Liquid extract; Liquid
Lot #: TKST-V1
AL #: 21119WSQ_1
Analysis ID: 155450
Received: 04/29/21

Determination of Eurycomanone Content by HPLC



Ret. Time (min)	Compound Name	Prep 1 (%)	Prep 2 (%)	Average (%)	g/mL	Specification	Result
5.6	Eurycomanone	0.033	0.034	0.034	0.000316	Report Only	N/A

Chromatographic Conditions:

Method: ATM-815-0222
Column: AP286 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_3

Sample Preparation:

Weighed 250 mg sample into 10 mL volumetric flask. Added 7 mL of methanol. Vortexed for 30 seconds and sonicated for 15 minutes at room temperature. Let cool and filled to volume with methanol. Mixed by inversion. Filtered through 0.45 µm PTFE syringe filter.

Report Summary:

Conclusion: This "Tongkat Ali Spagyric Tincture" test sample contains an average of 0.000316 g/mL eurycomanone on the as is basis.
OOS Reference: N/A
Density: 939.63 mg/mL
WI Reference: 13021 Eurycomanone_1

Analysis Date : 05/11/21 **Analyzed By:** A Pham

Authorized By: Celine Deneuve,
Analytical Chemistry Supervisor