# CERTIFICATE OF ANALYSIS



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**Report Issued To:** Yaju

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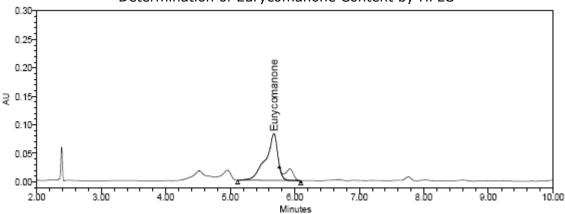
Sample Name: Tongkat Ali Root Extract

Description: Powdered extract; Fine beige powder

Lot #: 5TKA230923 AL #: 23303WTM 1

Analysis ID: 215511 Received: 10/30/23

## Determination of Eurycomanone Content by HPLC



Ret. Time (min) **Compound Name** Prep 1 (%) Prep 2 (%) Average (%) Specification Result 5.134 5% 5.7 Eurycomanone 5.150 5.142 **Pass** 

#### **Chromatographic Conditions:**

Method: ATM-815-0222

Column: AP392 Luna 5 µm C18(2) 100 A (150 x 4.6 mm)

Temperature: Flow Rate: 1 mL/min Injection Volume: 20 µĹ UV Detection: 254 nm

Mobile Phase: 0.1% Formic Acid in Water

Acetonitrile **HPLC Instrument:** Alliance\_6

#### **Sample Preparation:**

Weighed 50 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 " test sample contains an average of 5% eurycomanone on the as-is

basis.

OOS Reference: N/A

WI Reference: 31223 Eurycomanone

**Analysis Date : 11/09/23** Analyzed By: C Decasiano Authorized By: Diana Jimenez, **Lead Analytical Chemist**