



Certificate of Analysis

47 W Polk St. STE 100-241
Chicago, IL 60605
liftmode@liftmode.com

LiftMode

Tongkat Ali Extract

Eurycoma Longifolia Root Extract

Material Lot #: 21080501

Test Date: 02-08-2022

Country of Origin: China

Re-Test Date: 02-05-2025

Analysis	Claim	Result
Eurycomanone	≥10%	9.66%

Test	Specification	Result
Eurycomanone (HPLC)	≥10%	9.66%
Lead	≤1ppm	0.493 ppm
Mercury	≤0.8ppm	<0.005 ppm
Cadmium	≤0.8ppm	0.0180 ppm
Arsenic	≤1 ppm	0.0927 ppm
Total Aerobic Plate Count	<1000 cfu/g	<10 cfu/g
Yeast	<100 cfu/g	<10 cfu/g
Moulds	<100 cfu/g	<10 cfu/g
Escherichia coli	<10 cfu/g	<10 cfu/g
Coliforms	<10 cfu/g	<10 cfu/g
Salmonella	Negative	Negative
Staphylococcus aureus	<10 cfu/g	<10 cfu/g

Tongkat Ali Extract should be stored at or below room temperature in a tightly sealed durable container. Tongkat Ali Extract should be protected from excess heat, direct sunlight, excess humidity, and moisture. Tongkat Ali Extract has a retesting period of 3 years from the date of analysis when properly stored. Tongkat Ali Extract HPLC results are within acceptable +/- 0.5% margin of error.

Tongkat Ali Extract



Main Benefits

- Tongkat Ali (Eurycoma longifolia, Long Jack, pasak bumi, Malaysian ginseng) is a plant endemic to South East Asia, with a long history of use in traditional medicine.
- It has a wide variety of uses, taken commonly for its perceived effect in maintaining healthy libido, virility, mood and confidence-enhancing effects
- The primary active compound in Tongkat Ali is Eurycomanone and its glycosides which are known for their bitterness.

Main Cautions

- Negative effects of larger-than-recommended servings may include insomnia, headaches, irritability, racing heart, heart palpitations, and restlessness.
- This extract is significantly more bitter than many other similar extracts and may cause discomfort if tasted.
- Consult your physician before using Tongkat Ali if you are taking any medication. Tongkat Ali has not been tested for safety in pregnant or breastfeeding women

Usage Tips

- A 0.15cc measuring scoop is included. One level scoop contains approximately one serving of approximately **60mg of Tongkat Ali extract**. As a dietary supplement, take 1 servings 1-2 times per day. Start at the lower suggested quantity to assess response.
- There are no known negative side effects attributed to Tongkat Ali, but it is still recommended to cycle it for 6-10 weeks at a time
- Due to this extract's high concentration of Eurycomanone, the use of capsules is highly recommended.
- This supplement is not intended to treat, diagnose, prevent, or cure any diseases. Consult your healthcare provider before use if you have a medical condition or if you are taking any prescription medications.
- It is safe to stack Tongkat Ali with other non-hormonal supplements, so long as the amount consumed does not exceed the suggested serving size.
- The benefits of Tongkat Ali are most effective when they are supported by a healthy diet and plenty of exercise.

ANALYTICAL REPORT

AR-22-QH-004259-01

Client Code: QH0000902
PO#: 21080501

Received On: 19Jan2022
Reported On: 25Jan2022

Eurofins Sample Code: 477-2022-01190158		Sample Registration Date: 19Jan2022	
Client Sample Code: 21080501		Condition Upon Receipt: acceptable, 14.8°C	
Sample Description: Tongkat Ali		Sample Reference:	
FS001 - Heavy Metals (As, Cd, Hg, and Pb)	Reference AOAC 2011.19 and 993.14 (modified)	Accreditation ISO/IEC 17025:2017 A2LA 2918.01	Completed 25Jan2022
Parameter	Result	Sub 1	
Arsenic	92.7 ppb		
Cadmium	18.0 ppb		
Lead	493 ppb		
Mercury	<5.00 ppb		
UM8VD - Total Coliforms - CMMEF Chapter 9.933	Reference CMMEF Chapter 9.933	Accreditation ISO/IEC 17025:2017 A2LA 3329.07	Completed 20Jan2022
Parameter	Result		
Coliforms	< 10 cfu/g		
Parameter	Result		
Escherichia coli	< 10 cfu/g		
UMDTC - Salmonella species - AOAC-RI 121501	Reference AOAC-RI 121501	Accreditation ISO/IEC 17025:2017 A2LA 3329.07	Completed 20Jan2022
Parameter	Result		
Salmonella	Not Detected per 25 g		
UMHBM - Staphylococcus aureus - BAM Chapter 12	Reference BAM Chapter 12	Accreditation ISO/IEC 17025:2017 A2LA 3329.07	Completed 21Jan2022
Parameter	Result		
Staphylococcus aureus	< 10 cfu/g		

ANALYTICAL REPORT

AR-22-QH-004259-01

Client Code: QH0000902
PO#: 21080501

Received On: 19Jan2022
Reported On: 25Jan2022

Eurofins Sample Code: 477-2022-01190158		Sample Registration Date: 19Jan2022	
Client Sample Code: 21080501		Condition Upon Receipt: acceptable, 14.8°C	
Sample Description: Tongkat Ali		Sample Reference:	
UMIB1 - Yeast - FDA BAM Chapter 18 mod.	Reference FDA BAM Chapter 18 mod.	Completed 24Jan2022	
Parameter	Result		
Yeast	< 10 cfu/g		
Parameter	Result		
Moulds	< 10 cfu/g		
UMVSE - Aerobic Plate Count - CMMEF Chapter 8.72	Reference CMMEF Chapter 8.72	Accreditation ISO/IEC 17025:2017 A2LA 3329.07	Completed 21Jan2022
Parameter	Result		
Aerobic Plate Count	< 10 cfu/g		

Subcontracting partners:

1 - Eurofins Food Chemistry Testing US Madison, WI

Respectfully Submitted,



Michael A. Kaiser

Michael Kaiser
Associate Technical Leader

Results shown in this report relate solely to the item submitted for analysis. [Any opinions/interpretations expressed on this report are given independent of the laboratory's scope of accreditation. All results are reported on an "As Received" basis unless otherwise stated. Reports shall not be reproduced except in full without written permission of Eurofins Scientific, Inc. All work done in accordance with Eurofins General Terms and Conditions of Sale: www.eurofins.com/terms_and_conditions.pdf | \ Indicates a subcontract test to a different lab. Lab(s) are listed at end of the report. For further details about the performing labs please contact your customer service contact at Eurofins. Measurement of uncertainty can be obtained upon request.

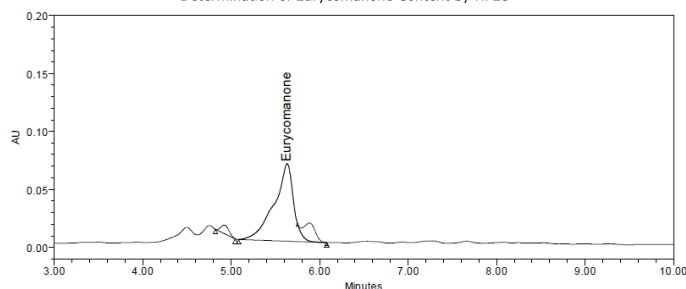
CERTIFICATE OF ANALYSIS



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

Report Issued To:	Synaptent	Sample Name:	Tongkat Ali Extract [atd. >10% Eurycomanone]
	47 W. Polk St. ; 100-241		Powdered extract; Fine Powder
	Chicago IL 60605-2000		Lot #: 21080501
	USA		AL #: 22021RMV_1
		Analysis ID:	170555
		Received:	01/21/22

Determination of Eurycomanone Content by HPLC



Ret. Time (min)	Compound Name	Prep 1 (%)	Prep 2 (%)	Average (%)	Specification	Result
5.6	Eurycomanone	9.681	9.640	9.661	≥10%	Pass

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:

Weighted 250 mg sample into 10 mL volumetric flask and filled to volume with methanol. Vortexed for 30 seconds and sonicated for 15 minutes at room temperature. Let cool and mixed by inversion. Diluted 1:50 in methanol. Filtered through 0.45 µm PTFE syringe filter.

Report Summary:

Conclusion: This "Tongkat Ali Extract [std. ≥10% Eurycomanone]" test sample contains an average of 10% Eurycomanone on the as is basis.
OOS Reference: N/A
Notebook Reference: 03822 Eurycomanone



Digitally signed by Celine Deneuve
DN: cn=Celine Deneuve, o=ALKEMIST, email=celine@alkemist.com, c=US
Date: 2022.02.08 16:59:20 -0800

Analysis Date : 02/08/22 Analyzed By: L Alonzo

Authorized By: Celine Deneuve,
Analytical Chemistry Supervisor

This report applies to the sample investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. This report is for the exclusive use of the party who requested the report and not for public dissemination or use by third parties, including for promotional purposes, without the prior written permission of Alkemist Labs. This report provides technical results for a specific sample and the report shall not be altered, modified, supplemented or abstracted in any manner. Any violation of these conditions renders the report and its results void
© 2018 Alkemist Labs All Rights Reserved