



# Certificate of Analysis

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



## Icariin

(Epimedium P.E. 90%)

Material Lot #: 170706      Test Date: 09-01-2022  
Country of Origin: China      Re-Test Date: 08-29-2025

Analysis      Claim      Result

Icariin      ≥90%      95.5%

Test	Specification	Result
Icariin (HPLC)	≥90%	%95.5
Lead	≤0.5ppm	0.0181 ppm
Mercury	≤0.5ppm	<0.005 ppm
Cadmium	≤0.5ppm	0.0167 ppm
Arsenic	≤0.5 ppm	<0.01 ppm
<b>Total Aerobic Plate Count</b>	<b>&lt;1000 cfu/g</b>	<b>&lt;10 cfu/g</b>
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

Icariin should be stored at or below room temperature in a tightly sealed durable container.  
Icariin should be protected from excess heat, direct sunlight, excess humidity, and moisture.  
Icariin has a retesting period of 3 years from the date of analysis when properly stored.

## Icariin



### Main Benefits

- Icariin is a phytochemical found in Horny Goat Weed, and is primarily grown in China. Also known as Yin Yang Huo, this plant has a long history of use for sexual health.
- Benefits include supporting a healthy libido, and offer support for bones and cartilage, and supporting a healthy metabolism.
- Overall, Horny Goat Weed extract can be recommended for both men and women who are looking for a powerful aphrodisiac supplement.

### Main Cautions

- Side effects have been researched thoroughly and it has been found that moderate use of Horny Goat extracts very rarely results in negative side effects.
- At larger servings, possible side effects may include dizziness, dry mouth, thirstiness and nausea.
- Icariin may be unsafe for pregnant women and people with bleeding disorders, low blood pressure or hormone sensitive cancers.

### Usage Tips

- A 0.15 cc measuring scoop is included. One rounded scoop contains approximately one serving, or approximately **50mg of Icariin**. As a dietary supplement, take 1-4 servings 1-3 times per day. Start at the lower suggested quantity to assess response.
- The negative effects of Icariin are dependent on the amount taken. Use of a scale with 10mg/0.01g accuracy or better is highly recommended.
- Given the potency, Icariin can be very bitter and astringent. Use of capsules, or mixing with tea, yogurt, apple sauce, or oatmeal may help make the powder easier to tolerate.
- 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 Icariin with other supplements, so long as the amount consumed does not exceed the suggested serving size.
- The benefits of Icariin are most effective when they are supported by a healthy diet and plenty of exercise.

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Synaptent

**ANALYTICAL REPORT**

Quality Control Department (COA)  
425 BARCLAY BOULEVARD  
Lincolnshire, IL 60069

AR-22-QH-051112-01

Client Code: QH0000902  
PO#: 20220819

Received On: 26Aug2022  
Reported On: 07Sep2022

<b>Eurofins Sample Code:</b> 477-2022-08260175	<b>Sample Registration Date:</b> 26Aug2022		
<b>Client Sample Code:</b> 170706	<b>Condition Upon Receipt:</b> acceptable, 19.7°C		
<b>Sample Description:</b> Icarin	<b>Sample Reference:</b>		
<b>FS001 - Heavy Metals (As, Cd, Hg, and Pb)</b>	<b>Reference</b> AOAC 2011.19, 993.14 and 2015.01 (modified)	<b>Accreditation</b>	<b>Completed</b>
<b>Parameter</b>	<b>Result</b>		<b>Sub</b>
Arsenic	<10.0 ppb		1
Cadmium	16.7 ppb		
Lead	18.1 ppb		
Mercury	<5.00 ppb		
<b>UM8VD - Total Coliforms - CMMEF Chapter 9.933</b>	<b>Reference</b> CMMEF Chapter 9.933	<b>Accreditation</b> ISO/IEC 17025:2017 A2LA 3329.07	<b>Completed</b> 27Aug2022
<b>Parameter</b>	<b>Result</b>		
Coliforms	< 10 cfu/g		
<b>Parameter</b>	<b>Result</b>		
Escherichia coli	< 10 cfu/g		
<b>UMDTC - Salmonella species - AOAC-R1 121501</b>	<b>Reference</b> AOAC-R1 121501	<b>Accreditation</b> ISO/IEC 17025:2017 A2LA 3329.07	<b>Completed</b> 27Aug2022
<b>Parameter</b>	<b>Result</b>		
Salmonella	Not Detected per 25 g		
<b>UMHBM - Staphylococcus aureus - BAM Chapter 12</b>	<b>Reference</b> BAM Chapter 12	<b>Accreditation</b> ISO/IEC 17025:2017 A2LA 3329.07	<b>Completed</b> 28Aug2022
<b>Parameter</b>	<b>Result</b>		
Staphylococcus aureus	< 10 cfu/g		
<b>UMIB1 - Yeast - FDA BAM Chapter 18 mod.</b>	<b>Reference</b> FDA BAM Chapter 18 mod.	<b>Accreditation</b> ISO/IEC 17025:2017 A2LA 3329.07	<b>Completed</b> 31Aug2022

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<b>Parameter</b>	<b>Result</b>		
Yeast	< 10 cfu/g		
<b>Parameter</b>	<b>Result</b>		
Moulds	< 10 cfu/g		
<b>UMVSE - Aerobic Plate Count - CMMEF Chapter 8.72</b>	<b>Reference</b> CMMEF Chapter 8.72	<b>Accreditation</b> ISO/IEC 17025:2017 A2LA 3329.07	<b>Completed</b> 28Aug2022
<b>Parameter</b>	<b>Result</b>		
Aerobic Plate Count	< 10 cfu/g		

Subcontracting partners:  
1 - Eurofins Food Chemistry Testing US Madison, WI

Respectfully Submitted,

Bryan Dieckelman  
Laboratory Operations Manager



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](http://www.eurofins.com/terms_and_conditions.pdf) | v 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.

7 September 2022

Job Number:	26182c
PO Number:	Verbal

Synaptent LLC  
47 West Polk Street #100-241  
Chicago, Illinois 60605

**REPORT OF ANALYSIS**

One blue container with powder labeled "Icarin 90% 170706" was received on 29 August 2022. A portion of the powder from within the container was analyzed for purity using high pressure liquid chromatography (HPLC). Based on ultraviolet (UV) detection at 270 nm the chromatographic purity of the sample was found to be 95.5%.

The chromatogram is enclosed for your reference.

Chris French, PhD  
Principal Scientist

