

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

# Lift \\ode

# Tetrahydroharmine (THH)

Material Lot #: 20220725

Test Date: 10-26-2022

Country of Origin: Chin

China

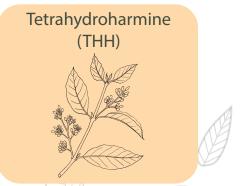
Re-Test Date: 10-23-2025

Analysis Claim Result

Tetrahydroharmine ≥98% 98.6%

Test	Specification	Result
Tetrahydroharmine (HPLC)	≥98%	98.6%
Lead	≤0.5ppm	0.106 ppm
Mercury	≤0.5ppm	<0.005 ppm
Cadmium	≤0.5ppm	<0.005 ppm
Arsenic	≤0.5 ppm	<0.01 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
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Tetrahydroharmine (THH) should be stored at or below room temperature in a tightly sealed durable container. Tetrahydroharmine (THH) should be protected from excess heat, direct sunlight, excess humidity, and moisture. Tetrahydroharmine (THH) has a retesting period of 3 years from the date of analysis when properly stored.



## Main Benefits

- Tetrahydroharmine (THH) is a compound found in the plant Banisteriopsis caapi, Our Tetrahydroharmine is racemic (±)-Tetrahydroharmine, consisting of both the (+) and (-) optical isomers.
- (±)-Tetrahydroharmine is a mild serotonin reuptake inhibitor and one isomer may also have weak reversible MAOI properties, and thus may boost mood and increase energy.
- Modern science has further corroborated the unique nootropic, antioxidant, neuroprotective, neurogenesis, cognition, and mood-enhancing properties of THH.

## **Main Cautions**

- Tetrahydroharmine acts both as a mild SRI and possibly a weak MAOI, making it incompatible with many pharmaceutical medications, including prescription antidepressants.
- It is strongly advised to use a high degree of caution if combining THH with psychoactive compounds or prescription medicines due to the risk of serotonin syndrome or metabolic interactions.
- Consult your physician before using Tetrahydroharmine if you are taking any medication. Tetrahydroharmine has not been tested for safety in pregnant or breastfeeding women.

## **Usage Tips**

- A 0.15cc measuring scoop is included. One roundedscoop contains approximately one serving of approximately 50mg of Tetrahydroharmine. As a nootropic compound, take 1 serving up to 2 times per day. Start at the lower suggested quantity to assess response.
- Use of a scale with 10mg/0.1g accuracy or better is highly recommended for reliable measurement.
- Do not mix Tetrahydroharmine with other compounds that act on serotonin or other monoamines.
- Like related harmala β-carbolines, Tetrahydroharmine glows under a blacklight. Store the compound away from
- 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 Tetrahydroharmine (THH) with other non-monoaminergic supplements, as long as the amount consumed does not exceed the suggested serving size.
- The nootropic benefits of Tetrahydroharmine are most effective when they are supported by a healthy diet and plenty of exercise.



Quality Control Department (COA) 425 BARCLAY BOULEVARD

Lincolnshire, IL 60069

### **Eurofins Microbiology Laboratories (New Berlin)**

Eurofins Microbiology Laboratories (New Berlin)

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Accreditation ISO/IEC 17025:2017

A2LA 3329.07

Accreditation

ISO/IEC 17025:2017 A2LA 3329.07

Synaptent

Cadmium

Parameter

Staphylococcus aureus

ANALYTICAL REPORT

AR-22-QH-063391-01

Client Code: QH0000902 PO#: 20220725

Received On: 24Oct2022 Reported On: 31Oct2022

Completed 31Oct2022

Sub

Eurofins Sample Code: Client Sample Code: Sample Description: Sample Registration Date: 24Oct2022 Condition Upon Receipt: acceptable, 19.9°C 477-2022-10240041 20220725 Tetrahydroharmine (THH)

FS001 - Heavy Metals (As, Cd, Hg, and Pb) Reference AOAC 2011.19, 993.14 and 2015.01 Accreditation

Parameter Result <10.0 ppb <5.00 ppb 106 ppb

Lead Mercury <5.00 ppb

UM8VD - Total Coliforms - CMMEF Chapter 9.933 CMMEF Chapter 9.933

Paramete Result Coliforms < 10 cfu/a Escherichia coli < 10 cfu/a

UMDTC - Salmonella species - AOAC-RI Reference

121501 AOAC-RI 121501

Not Detected per 25 g

UMHBM - Staphylococcus aureus - BAM

Parameter

Reference BAM Chapter 12

Accreditation ISO/IEC 17025:2017 A2LA 3329.07

Result < 10 cfu/g

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11 November 2022

Job Number:	26264a
PO Number:	Verbal

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

#### REPORT OF ANALYSIS

One container with powder labeled "TETRAHYDROHARMINE 20220725" was received on 25 October 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  $224\,\mathrm{nm}$  the chromatographic purity of the sample was found to be 98.6%.

The chromatogram is enclosed for your reference



Chris French, PhD

Synaptent

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

#### ANALYTICAL REPORT

AR-22-QH-063391-01

Client Code: QH0000902 PO#: 20220725

Received On: 24Oct2022

Eurofins Sample Code Client Sample Code: Sample Description: 477-2022-102400 20220725 Sample Registration Date: 24Oct2022 Condition Upon Receipt: acceptable Tetrahydroharmine (THH) Sample Reference:

UMIB1 - Yeast - FDA BAM Chapter 18 Accreditation Completed 29Oct2022 Reference FDA BAM Chapter 18 mod. ISO/IFC 17025:2017

Yeast < 10 cfu/g Result Parameter < 10 cfu/g

UMVSE - Aerobic Plate Count - CMMEF Chapter 8.72 Reference CMMEF Chapter 8.72 ISO/IEC 17025:2017 A2LA 3329.07

Result Parameter < 10 cfu/g

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

Respectfully Submitted.

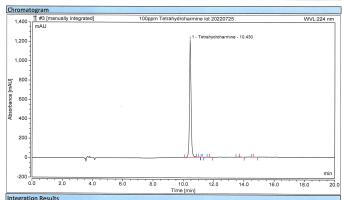


Results shown in this report relate solely to the item submitted for analysis. | Any opinions/interpretations expressed on this report are given independent the laboratory's ecope of accreditation. | All results are reported on an "As Received" basis unless otherwise stated. | Reports shall not be reproduced except in full without written permission of Eurolins Scientific, lic. | All work done in accordance with Eurofis General Terms and Conditions of Sale: <a href="https://www.eurofinaus.com/terms">www.eurofinaus.com/terms</a> and conditions pdf | vi 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 usubmers earvice contact all Eurofina. Measurement of uncertainty can be obtained non request.

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10/31/22 8:20 on

Chromatogram and Results							
Injection Details							
Injection Name:	100ppm Tetrahydroharmine lot 20220725	Run Time (min):	25.00				
Vial Number:	GA3	Injection Volume:	10.00				
Injection Type:	Unknown	Channel:	EXT224NM				
Calibration Level:		Wavelength:	n.a.				
Instrument Method:	BC pH6 250mM Max RP Purity 25min	Bandwidth:	n.a.				
Processing Method:	THH Method	Dilution Factor:	1.0000				
Injection Date/Time:	26/Oct/22 13:28	Sample Weight:	1.0000				



Integration Results							
No.	Peak Name	Retention Time min	Area mAU*min	Height mAU	Relative Area %	Relative Height	Amount
1	Tetrahydroharmine	10.430	143.637	1212.680	98.58	99.03	n.a.
2		11.007	0.141	1.381	0.10	0.11	n.a.
3		11.250	0.072	0.922	0.05	0.08	n.a.
4		11.733	0.564	3.287	0.39	0.27	n.a.
5		13.720	0.912	4.276	0.63	0.35	n.a.
6		14.627	0.383	2.003	0.26	0.16	n.a.
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