



Certificate of Analysis

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



L-THP

(L-Tetrahydropalmatine from *Corydalis yanhusuo*)

Material Lot #: 20180610 **Test Date:** 03/06/2021
Country of Origin: China **Re-Test Date:** 03/05/2024

Analysis	Claim	Result
L-THP	≥98%	99.9%

Test	Specification	Result
L-THP (HPLC)	≥98%	99.9%
Identification (H-NMR)	Conforms to Structure	Conforms
Identification & Purity (qNMR)	Conforms to Structure & ≥98%	Conforms & 97.8%
Lead	≤0.5ppm	<0.010 ppm
Mercury	≤0.5ppm	<0.010 ppm
Cadmium	≤0.5ppm	<0.010 ppm
Arsenic	≤0.5 ppm	<0.010 ppm
Total Aerobic Plate Count	<10 cfu/g	<10 cfu/g
Yeast	<10 cfu/g	<10 cfu/g
Moulds	<10 cfu/g	<10 cfu/g
Escherichia coli	<10 cfu/g	<10 cfu/g
Coliforms	<10 cfu/g	<10 cfu/g
Salmonella	Not Detected per 25 g	Not Detected per 25 g
Staphylococcus aureus	<10 cfu/g	<10 cfu/g

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

L-TETRAHYDROPALMATINE



Main Cautions

- Do not exceed the recommended serving size for this supplement. Side effects may include mild to severe negative effects on respiration, cardiac activity, and depression in the nervous system.
- Using excessive quantities of L-THP may cause mild to severe negative effects on respiration, cardiac activity, and depression in the nervous system.
- Do not use L-THP supplements if you are taking any medication, if you have any medical conditions, speak to your doctor before using L-THP.

Main Benefits

- L-Tetrahydropalmatine (L-THP) is a phytochemical found naturally in a number of plants, and herbs used in traditional Chinese medicine, especially *Corydalis yanhusuo*.
- L-THP has the ability to act as a potent anti-inflammatory, stress-reducing, and calming supplement.
- L-THP may also help to support a healthy mood, a healthy circulatory system, and may have beneficial sleep-promoting effects.

Usage Tips

- A double-sided measuring scoop is included. One level scoop from the large end contains approximately **30mg of L-THP**. As a dietary supplement, take 1-2 servings, 1 hour prior to desired sleep. Start at the lower suggested quantity to assess response.
- The negative effects of L-THP are dependent on the amount taken, so use of a scale with 1mg/0.001g accuracy or better is highly recommended.
- Do not take this supplement unless you can devote enough time for a full night's worth of sleep.

- This supplement is not intended to treat, diagnose, prevent, or cure any disease. Consult your physician prior to use, especially if you have a medical condition or if you are taking any prescription medications.
- It is safe to stack L-THP with other supplements, so long as the amount consumed does not exceed the suggested serving size.
- The benefits of L-THP are most effective when they are supported by a healthy diet and plenty of exercise.



16 February 2021

Job Number:	247380
PO Number:	verbal

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

REPORT OF ANALYSIS

One bag labeled "L-THP #20180610" was received on 9 February 2021. The powder in the package was analyzed for purity using high pressure liquid chromatography (HPLC). The detector was set to 205nm. The results are summarized in the table below.

Sample	Chromatographic Purity (% area)
L-THP #20180610	99.9

This material appears to exist in two isomeric forms. Purity is based on the sum of these two forms. The chromatogram is enclosed for your reference.

Neil E. Spingarn, Ph.D.
President

Company: Synaptent LLC

Order # Sample ID: 2021-001282-01
Customer Sample ID: Emoxypine Succinate
Sample Description: Lot #19072501

Analytical Testing

Method:	Component:	Result:	Test Date:
1+ Mercury	Mercury	<0.010 ppm	01-Mar-2021
Metals (ICP-MS)	Arsenic	42.4 ppb	22-Feb-2021
Metals (ICP-MS)	Cadmium	<10 ppb	22-Feb-2021
Metals (ICP-MS)	Lead	<10 ppb	22-Feb-2021

Company: Synaptent LLC

Order # Sample ID: 2021-001282-02
Customer Sample ID: L-Tetrahydropalmatine (L-THP)
Sample Description: Lot #20180610

Analytical Testing

Method:	Component:	Result:	Test Date:
1+ Mercury	Mercury	<0.010 ppm	01-Mar-2021
Metals (ICP-MS)	Arsenic	<10 ppb	22-Feb-2021
Metals (ICP-MS)	Cadmium	<10 ppb	22-Feb-2021
Metals (ICP-MS)	Lead	<10 ppb	22-Feb-2021

Medallion Labs maintains A2LA accreditation to ISO/IEC 17025 for the specific tests listed in certificates # 2769-01 and 2769-02. Medallion Labs' services are performed in our ISO/IEC 17025:2017 accredited laboratory. For a listing of in-scope tests, please visit www.medallionlabs.com. Including this report, a printed subject mail order form, and a copy of the Certificate of Accreditation (COA) will be included in the shipment. Unless otherwise noted above, samples were received in acceptable condition and analyzed as received.

* This analysis is performed by a partner lab.

** This test is not considered a message of our current A2LA accreditation. For a listing of in-scope tests, please visit www.medallionlabs.com.

Date Issued: March 01, 2021

Medallion Labs 9000 Plymouth Ave. N., Minneapolis, MN 55427

Report #: 30225

Page 2 of 4

Synaptent

Joseph Watkins
1442 W. Fulton Street
Chicago, IL 60607

Client Code: OH0000902

PO Number: 20210204

Reported On: 08Feb2021

Received On: 17Feb2021

ANALYTICAL REPORT

AR-21-OH-008635-01

Eurofins Sample Code: 477-2021-02080054	Sample Registration Date: 08Feb2021	Sample Registration Date: 08Feb2021
Client Sample Code: 19072501	Condition Upon Receipt: acceptable, 17.6°C	Condition Upon Receipt: acceptable, 17.6°C
Sample Description: Emoxypine Succinate	Sample Reference: 19072501	Sample Reference: 20180610
UMHBM - Staphylococcus aureus - BAM Chapter 12	Reference ISO/IEC 17025:2017 AZLA 3329.07	Completed 14Feb2021
Parameter Staphylococcus aureus	Result < 10 cfu/g	
Eurofins Sample Code: 477-2021-02080055	Sample Registration Date: 08Feb2021	Sample Registration Date: 08Feb2021
Client Sample Code: 20180610	Condition Upon Receipt: acceptable, 17.6°C	Condition Upon Receipt: acceptable, 17.6°C
Sample Description: L-THP (L-Tetrahydropalmatine)	Sample Reference: 19072501	Sample Reference: 20180610
UMVSE - Aerobic Plate Count - CMMEF Chapter 8.72	Reference CMMEF Chapter 8.72	Completed 14Feb2021
Parameter Aerobic Plate Count	Result < 10 cfu/g	
UMIB1 - Yeast - FDA BAM Chapter 18 mod.	Reference FDA BAM Chapter 18 mod.	Completed 17Feb2021
Parameter Yeast	Result < 10 cfu/g	
Parameter Moulds	Result < 10 cfu/g	
UMGWS - Total Coliforms - CMMEF Chapter 8.7	Reference CMMEF Chapter 8.7	Completed 13Feb2021
Parameter Coliforms	Result < 10 cfu/g	
UMCB1 - E. coli - CMMEF Chapter 9.933	Reference CMMEF Chapter 9.933	Completed 13Feb2021
Parameter Escherichia coli	Result < 10 cfu/g	
UMDTC - Salmonella species - AOAC-R1 121501	Reference AOAC-R1 121501	Completed 13Feb2021
Parameter Salmonella	Result Not Detected per 25 g	
UMHBM - Staphylococcus aureus - BAM Chapter 12	Reference BAM Chapter 12	Completed 14Feb2021
Parameter Staphylococcus aureus	Result Not Detected per 25 g	

Synaptent

Joseph Watkins
1442 W. Fulton Street
Chicago, IL 60607

Client Code: OH0000902

PO Number: 20210204

Reported On: 08Feb2021

Received On: 17Feb2021

ANALYTICAL REPORT

AR-21-OH-008635-01

Eurofins Sample Code: 477-2021-02080055	Sample Registration Date: 08Feb2021	Sample Registration Date: 08Feb2021
Client Sample Code: 20180610	Condition Upon Receipt: acceptable, 17.6°C	Condition Upon Receipt: acceptable, 17.6°C
Sample Description: L-THP (L-Tetrahydropalmatine)	Sample Reference: 20180610	Sample Reference: 20180610
UMHBM - Staphylococcus aureus - BAM Chapter 12	Reference ISO/IEC 17025:2017 AZLA 3329.07	Completed 14Feb2021
Parameter Staphylococcus aureus	Result < 10 cfu/g	
Eurofins Sample Code: 477-2021-02080056	Sample Registration Date: 08Feb2021	Sample Registration Date: 08Feb2021
Client Sample Code: 20180503	Condition Upon Receipt: acceptable, 17.6°C	Condition Upon Receipt: acceptable, 17.6°C
Sample Description: L-THP (L-Tetrahydropalmatine)	Sample Reference: 20180503	Sample Reference: 20180503
UMVSE - Aerobic Plate Count - CMMEF Chapter 8.72	Reference CMMEF Chapter 8.72	Completed 14Feb2021
Parameter Aerobic Plate Count	Result < 10 cfu/g	
UMIB1 - Yeast - FDA BAM Chapter 18 mod.	Reference FDA BAM Chapter 18 mod.	Completed 17Feb2021
Parameter Yeast	Result < 10 cfu/g	
Parameter Moulds	Result < 10 cfu/g	
UMGWS - Total Coliforms - CMMEF Chapter 8.7	Reference CMMEF Chapter 8.7	Completed 13Feb2021
Parameter Coliforms	Result < 10 cfu/g	
UMCB1 - E. coli - CMMEF Chapter 9.933	Reference CMMEF Chapter 9.933	Completed 13Feb2021
Parameter Escherichia coli	Result < 10 cfu/g	
UMDTC - Salmonella species - AOAC-R1 121501	Reference AOAC-R1 121501	Completed 13Feb2021
Parameter Salmonella	Result Not Detected per 25 g	