



LIFTMODE
47 W. Polk St. STE 100-241
Chicago, IL 60605

liftmode@liftmode.com
www.liftmode.com

CERTIFICATE OF ANALYSIS

L-Tetrahydropalmatine

(*Cordyalis Yanhusuo W.T. Wang*)

Material Lot #: 20170515
Country of Origin: China

Manufacture Date: 05/15/2017
Test Date: 01/24/2020
Re-Test Date: 01/21/2023

Analysis	Claim	Result
L-THP	$\geq 98.0\%$	99.0%

Test	Specification	Result
Assay	$\geq 98.0\%$	99.0%
Appearance	White to Light green crystalline	Complies
Odor	No Odor	Complies
Taste	No Taste	Complies
Loss on Drying	$\leq 9.0\%$	4.2%
Heavy Metals	$\leq 10\text{ppm.}$	Complies
Total Plate Count	$\leq 10000/\text{g}$	Complies
Yeast & Mold	$\leq 1000/\text{g}$	Complies
Salmonella	Negative	Complies
E.coli	Negative	Complies
Rotation	-290° to -300°	-293°

L-Tetrahydropalmatine should be stored at or below room temperature in a tightly sealed durable container.
L-Tetrahydropalmatine should be protected from excess heat, direct sunlight, excess humidity and moisture.
L-Tetrahydropalmatine has a stable shelf life of 3 years from the date of manufacture when properly stored.



812 Meadow Lark Lane, Goddlettsville, TN 37072
Telephone: 615-239-8604

Certificate of Analysis

Synaptent LLC
47 W Polk Street, 100-241
Chicago, IL 60654

Product Name	L-Tetrahydropalmitine	Client Lot Number	20170515
Report Date	01/24/20	Laboratory Number	13594

Test	Method	Result
Identification	H-NMR	Conforms
Assay	HPLC	99.0%
Lead	ICP-MS USP <730>	0.030 ppm
Arsenic	ICP-MS USP <730>	<0.0001 ppm
Cadmium	ICP-MS USP <730>	0.005 ppm
Mercury	ICP-MS USP <730>	0.006 ppm
Total Aerobic count	Biolumix	<1,000 cfu/g
Yeast and Mold	Biolumix	<100 cfu/g
E. Coli	Biolumix	Negative
Coliform	Biolumix	<10 cfu/g
Salmonella	Biolumix	Negative

Collin Thomas
Laboratory Manager

01/24/2020
Date

The result(s) stated in this report is only for the sample submitted. This report may not be reproduced in whole or in part, nor may any reference be made to the work, the result, or the company in any news release, public announcements or advertising without our prior written consent.



812 Meadowlark Lane, Goodlettsville, TN 37072
Tel: 615-239-8604, Fax: 615-239-8605

Certificate of Analysis

Synaptent LLC
47 W. Polk ST, STE 100-241
Chicago, IL 60605

Product Name	L-Tetrahydropalmitine	Product Lot #	20170515
Report Date	09/20/2017	Lab #	9207

Description	Test Method	Results
Identification	¹ H NMR	Conforms
Assay	HPLC	99%
Lead	ICP-MS USP<730>	0.028ppm
Arsenic	ICP-MS USP<730>	0.071ppm
Cadmium	ICP-MS USP<730>	<0.001ppm
Mercury	ICP-MS USP<730>	<0.001ppm
Total Plate Count	BioLumix	<100CFU/g
Yeast and Mold	BioLumix	<100CFU/g
Salmonella	BioLumix	Negative
Coliform	BioLumix	<10CFU/g
E. coli	BioLumix	Negative

Peter Yoho PhD
QA Auditor

09/20/2017
Date

The result(s) stated in this report is only for the sample submitted. This report may not be reproduced in whole or in part, nor may any reference be made to the work, the result, or the company in any news release, public announcements or advertising without our prior written consent.

