



LIFTMODE
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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, Godlettsville, TN 37072
Telephone: 615-239-8604

Certificate of Analysis

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

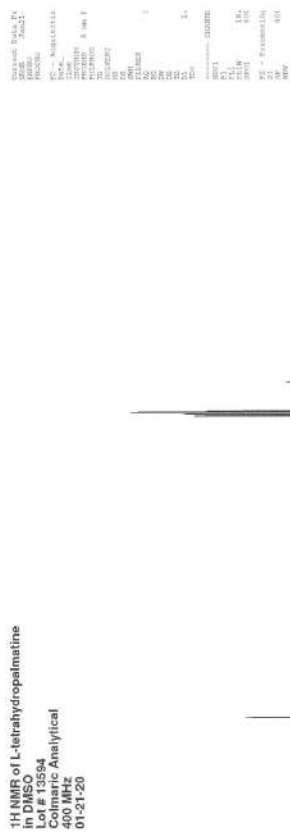
Product Name	L-Tetrahydropalmitine	Client Lot Number	20170515
Report Date	01/24/20	Laboratory Number	13594

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

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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

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