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EVALUATION REPORT

Send To: C0778175

[REDACTED]
LTF Club Operations Company, Inc.
2902 Corporate Place
Chanhassen, MN 55317

Facility: C0778182

[REDACTED]
Benicia CA 94510
United States

Result	PASS	Report Date	09-JUL-2025
Customer Name	LTF Club Operations Company, Inc.		
Tested To	NSF/ANSI 173 - 2022 (SOP 2395-20)		
Trade Designation	LTH FUEL VEGAN+ ALL IN ONE CHOCOLATE		
Test Type	Annual Collection		
Job Number	A-00515458		
Lot Number	-		
Project Number	W0960148		
Project Manager	[REDACTED]		

Thank you for having your product tested by NSF.

Please contact your Project Manager if you have any questions or concerns pertaining to this report.

Report Authorization

[REDACTED]

Date 09-JUL-2025

Please see page 9 in the test report for text relevant to lead and Proposition 65 warning requirements.



General Information

Guideline: NSF/ANSI 173 - 2022 (SOP 2395-20)
DCC Number: DS05941
Lot#: _
Physical Description of Sample: Powder
Test Description: LABEL CLAIM TESTING 2
Trade Designation / Product ID: LTH FUEL VEGAN+ ALL IN ONE CHOCOLATE

This finished product was evaluated per category "Finished products containing botanical ingredients - non-extract" for microbial contaminants as stated in Standard NSF/ANSI 173 for Dietary Supplements.

Sample Id: S-0002220901
Description: LTH FUEL VEGAN+ ALL IN ONE CHOCOLATE | Powder
Sampled Date: 05/12/2025
Received Date: 05/12/2025

Testing Parameter	Result	Units	Label Claim Value	Units	Accept. Level	P / F
General Information						
* Dietary Supplements Lab Summary Test Code						
Mass per Serving	51	grams				
Servings per daily dose	1					
Lot Number	25002-3					
Expiration Date	07/02/2026					
Contaminants						
* Residual Solvents in Dietary Supplements by GCMS						
Nitromethane	ND(26)	ug/day			500 ug/day	Pass
Formic acid	ND(2600)	ug/day			50000 ug/day	Pass
2-Methoxyethanol	ND(26)	ug/day			500 ug/day	Pass
Acetic acid	ND(2600)	ug/day			50000 ug/day	Pass
2-Ethoxyethanol	ND(82)	ug/day			1600 ug/day	Pass
Ethylene Glycol	ND(320)	ug/day			6200 ug/day	Pass
Formamide	ND(110)	ug/day			2200 ug/day	Pass
N,N-Dimethylformamide	ND(450)	ug/day			8800 ug/day	Pass
N,N-Dimethylacetamide	ND(560)	ug/day			10900 ug/day	Pass
Dimethyl sulfoxide	ND(2600)	ug/day			50000 ug/day	Pass
N-Methylpyrrolidone	ND(270)	ug/day			5300 ug/day	Pass
Sulfolane	ND(82)	ug/day			1600 ug/day	Pass
* Residual Solvents in Dietary Supplements by Headspace-GCMS						
Methanol	ND(1500)	ug/day			30000 ug/day	Pass
Pentane	ND(2600)	ug/day			50000 ug/day	Pass
Ethanol	ND(2600)	ug/day			50000 ug/day	Pass
Ethyl ether	ND(2600)	ug/day			50000 ug/day	Pass
1,1-Dichloroethene	ND(4.1)	ug/day			8 ug/day	Pass
Acetone	ND(2600)	ug/day			50000 ug/day	Pass
Ethyl formate	ND(2600)	ug/day			50000 ug/day	Pass
2-Propanol	ND(2600)	ug/day			50000 ug/day	Pass
Acetonitrile	ND(210)	ug/day			4100 ug/day	Pass
Methyl acetate	ND(2600)	ug/day			50000 ug/day	Pass
Methylene Chloride	ND(310)	ug/day			6000 ug/day	Pass
tert-Butylmethyl ether	ND(2600)	ug/day			50000 ug/day	Pass
trans-1,2-Dichloroethene	ND(480)	ug/day			18700 ug/day	Pass
Hexane	ND(110)	ug/day			2900 ug/day	Pass
1-Propanol	ND(2600)	ug/day			50000 ug/day	Pass
cis-1,2-Dichloroethene	ND(480)	ug/day			18700 ug/day	Pass



Sample Id: S-0002220901

Testing Parameter	Result	Units	Label Claim Value	Units	Accept. Level	P / F
Contaminants (Continued)						
Methylethyl ketone	ND(2600)	ug/day			50000 ug/day	Pass
Ethyl acetate	ND(2600)	ug/day			50000 ug/day	Pass
Tetrahydrofuran	ND(370)	ug/day			7200 ug/day	Pass
2-Butanol	ND(2600)	ug/day			50000 ug/day	Pass
Chloroform	ND(31)	ug/day			600 ug/day	Pass
1,1,1-Trichloroethane	ND(5.1)	ug/day			1500 ug/day	Pass
Cyclohexane	ND(2000)	ug/day			38800 ug/day	Pass
Carbon Tetrachloride	ND(2.0)	ug/day			4 ug/day	Pass
Benzene	ND(1.0)	ug/day			2 ug/day	Pass
1,2-Dimethoxyethane	ND(51)	ug/day			1000 ug/day	Pass
1,2-Dichloroethane	ND(2.6)	ug/day			5 ug/day	Pass
2-Methyl-1-propanol	ND(2600)	ug/day			50000 ug/day	Pass
Isopropyl acetate	ND(2600)	ug/day			50000 ug/day	Pass
Heptane	ND(2600)	ug/day			50000 ug/day	Pass
Trichloroethylene	ND(41)	ug/day			800 ug/day	Pass
1-Butanol	ND(2600)	ug/day			50000 ug/day	Pass
Methylcyclohexane	ND(610)	ug/day			11800 ug/day	Pass
1,4-Dioxane	ND(190)	ug/day			3800 ug/day	Pass
Propyl acetate	ND(2600)	ug/day			50000 ug/day	Pass
Pyridine	ND(100)	ug/day			2000 ug/day	Pass
Methylisobutylketone	ND(2600)	ug/day			50000 ug/day	Pass
Toluene	ND(450)	ug/day			8900 ug/day	Pass
3-Methyl-1-butanol	ND(2600)	ug/day			50000 ug/day	Pass
Isobutyl acetate	ND(2600)	ug/day			50000 ug/day	Pass
1-Pentanol	ND(2600)	ug/day			50000 ug/day	Pass
Methylbutylketone	ND(26)	ug/day			500 ug/day	Pass
Butyl acetate	ND(2600)	ug/day			50000 ug/day	Pass
Chlorobenzene	ND(180)	ug/day			3600 ug/day	Pass
Ethylbenzene	ND(190)	ug/day			21700 ug/day	Pass
m-Xylene	ND(660)	ug/day			21700 ug/day	Pass
p-Xylene	ND(160)	ug/day			21700 ug/day	Pass
o-Xylene	ND(100)	ug/day			21700 ug/day	Pass
Cumene	ND(36)	ug/day			700 ug/day	Pass
Anisole	ND(2600)	ug/day			50000 ug/day	Pass
Tetralin	ND(51)	ug/day			1000 ug/day	Pass
1,2-Dichloroethene	ND(970)	ug/day			18700 ug/day	Pass
* Hexavalent Chromium in DS by IC						
Chromium (VI)	ND(1.0)	ug/day			20 ug/day	Pass
* Aflatoxins by HPLC, Performed by NSF approved subcontract laboratory						
Aflatoxin	ND(1.0)	ug/kg			20 ug/kg	Pass
Arsenic in digested solids by ICPMS						
Arsenic	ND(2.0)	ug/day			10 ug/day	Pass
Cadmium in digested solids by ICPMS						
Cadmium	1.7	ug/day			4.1 ug/day	Pass
Lead in digested solids by ICPMS						
Lead	ND(2.0)	ug/day			10 ug/day	Pass
Mercury in digested solids by ICPMS						
Mercury	ND(0.41)	ug/day			2 ug/day	Pass



Sample Id: S-0002220901

Testing Parameter	Result	Units	Label Claim Value	Units	Accept. Level	P / F
Contaminants (Continued)						
*Escherichia coli in Dietary Supplements by quantitation						
E. coli	<100	CFU/g			100 CFU/g	Pass
*Total Combined Mold and Yeast (Ref: USP 2021 mod. - DYM-109C)						
Yeast and Mold	<100000	CFU/g			100000 CFU/g	Pass
*Enterobacteriaceae (Ref: USP 2021 mod.-S2-GN)						
Enterobacteriaceae	<10000	CFU/g			10000 CFU/g	Pass
*Staphylococcus aureus (Ref: USP 2022 mod. - S2-SA)						
S. aureus Absent/Present per 10 g	Absent					Pass
*Salmonella species (Ref: USP 2022 mod. - S2-SAL)						
Salmonella Absent/Present per 10 g	Absent					Pass
Label Verification						
*Calories by Calculation Performed by NSF approved subcontract laboratory						
Calories	200	Cal/serving	200	Cal/serving		Pass
Chromium in digested solids by ICPMS						
Chromium (as labeled)	68	ug/serving	17.5	ug/serving		Pass
*Pyridoxal-5'-phosphate, as Vitamin B6, by HPLC						
Pyridoxal-5'-phosphate	1.5	mg/serving	0.85	mg/serving		Pass
Vitamin E by HPLC						
Vitamin E	15	mg/serving	7.5	mg/serving		Pass
* 5-Methyltetrahydrofolic Acid by HPLC (Quantitative)						
5-Methyltetrahydrofolic Acid	320	ug DFE/serving	200	ug DFE/serving		Pass
Note: [C1260/1]						
Testing was performed by an approved NSF subcontract laboratory. Results reported from LCMS-MS methodology, not HPLC as indicated in the test code description.						
Niacin (as Niacinamide) by HPLC						
Niacin (as Niacinamide)	11	mg/serving	8	mg/serving		Pass
* Vitamin A Palmitate Assay by HPLC						
Vitamin A (as Palmitate)	930	ug/serving	450	ug/serving		Pass
Note: [C4405/3]						
Testing was performed by an approved NSF subcontract laboratory.						
* Vitamin C Assay by HPLC						
Vitamin C	45	mg/serving	45	mg/serving		Pass
* Carbohydrates by Calculation Performed by NSF approved subcontract laboratory						
Carbohydrates	11	g/serving	8	g/serving		Pass
Other						
Selenium in digested solids by ICPMS						
Selenium	32	ug/serving	27.5	ug/serving		Pass
Other						
*Probiotic enumeration - testing performed by NSF approved laboratory						
Claimed CFU/Serving	15000000	CFU/serving				
Actual CFU/Serving	61200000	CFU/serving				
Minimum Allowed CFU/Serving	4740000	CFU/serving				
*Organism identification by PCR - testing performed by NSF approved laboratory						
Organism ID	Bifidobacterium animalis subsp. lactis					
Result	Present					
P/F	Pass					
*Organism identification by PCR - testing performed by NSF approved laboratory						



Sample Id: S-0002220901

Testing Parameter	Result	Units	Label Claim Value	Units	Accept. Level	P / F
Other (Continued)						
Organism ID	Lactobacillus acidophilus La-14					
Result	Present					
P/F	Pass					
Other						
* Total Protein by HPLC						
Total Protein	31	g/serving				
Total Protein Label Claim	30	g/serving				
Total Protein Pass/Fail	Pass					

Sample Id: S-0002220904

Description: RM# FP00009

Sampled Date: 05/12/2025

Received Date: 05/12/2025

Testing Parameter	Result	Units	Label Claim Value	Units	Accept. Level	P / F
Label Verification						
* Raspberry Fruit (Rubus idaeus) by TLC (qualitative)						
Raspberry Fruit	Present		Present			Pass

Sample Id: S-0002220905

Description: RM# FP00023

Sampled Date: 05/12/2025

Received Date: 05/12/2025

Testing Parameter	Result	Units	Label Claim Value	Units	Accept. Level	P / F
Label Verification						
* Botanical Identification by HPTLC performed at NSF approved subcontract laboratory						
Prunus armeniaca fruit result	Present					
Prunus armeniaca fruit Claim	Present					
Prunus armeniaca fruit Pass/Fail	Pass					

Sample Id: S-0002220906

Description: RM# FP00025

Sampled Date: 05/12/2025

Received Date: 05/12/2025

Testing Parameter	Result	Units	Label Claim Value	Units	Accept. Level	P / F
Label Verification						
Pineapple (Qualitative) by TLC						
Pineapple	Present		Present			Pass

Sample Id: S-0002220907

Description: RM# HB00058

Sampled Date: 05/12/2025

Received Date: 05/12/2025

Testing Parameter	Result	Units	Label Claim Value	Units	Accept. Level	P / F



Sample Id: S-0002220907

Testing Parameter	Result	Units	Label Claim Value	Units	Accept. Level	P / F
Label Verification						
* Spinach (Spinacia oleracea) by TLC (qualitative)						
Spinach	Present		Present			Pass

Sample Id: S-0002220908

Description: RM# EN00003

Sampled Date: 05/12/2025

Received Date: 05/12/2025

Testing Parameter	Result	Units	Label Claim Value	Units	Accept. Level	P / F
Label Verification						
* Bromelain Assay Performed by NSF approved subcontract laboratory						
Bromelain	Present		Present			Pass

Sample Id: S-0002220909

Description: RM# EN00030

Sampled Date: 05/12/2025

Received Date: 05/12/2025

Testing Parameter	Result	Units	Label Claim Value	Units	Accept. Level	P / F
Label Verification						
* Fungal Amylase Assay Performed by NSF approved subcontract laboratory						
Fungal amylase	Present		Present			Pass



Job Notes:

Conformance assessment for microbial contaminants was performed under NSF Deviation #2024-031.



Testing Laboratories:

	<u>Flag</u>	<u>Id</u>	<u>Address</u>
All work performed at: (Unless otherwise specified)	----- ----->	NSF_AA	NSF 789 DIXBORO ROAD ANN ARBOR MI 48105

References to Testing Procedures:

<u>NSF Reference</u>	<u>Parameter / Test Description</u>
C0031	*Calories by Calculation Performed by NSF approved subcontract laboratory
C0294	Pineapple (Qualitative) by TLC
C0377	* Spinach (Spinacia oleracea) by TLC (qualitative)
C0381	* Raspberry Fruit (Rubus idaeus) by TLC (qualitative)
C0950	Selenium in digested solids by ICPMS
C0964	Chromium in digested solids by ICPMS
C0975	*Pyridoxal-5'-phosphate, as Vitamin B6, by HPLC
C1032	* Dietary Supplements Lab Summary Test Code
C1042	Vitamin E by HPLC
C1260	* 5-Methyltetrahydrofolic Acid by HPLC (Quantitative)
C1421	* Residual Solvents in Dietary Supplements by GCMS
C1422	* Residual Solvents in Dietary Supplements by Headspace-GCMS
C1530	* Botanical Identification by HPTLC performed at NSF approved subcontract laboratory
C1948	* Total Protein by HPLC
C3251	* Hexavalent Chromium in DS by IC
C4025	* Aflatoxins by HPLC, Performed by NSF approved subcontract laboratory
C4300	Niacin (as Niacinamide) by HPLC
C4405	* Vitamin A Palmitate Assay by HPLC
C4406	* Vitamin C Assay by HPLC
C4432	* Carbohydrates by Calculation Performed by NSF approved subcontract laboratory
C4538	Arsenic in digested solids by ICPMS
C4539	Cadmium in digested solids by ICPMS
C4542	Lead in digested solids by ICPMS
C4547	Mercury in digested solids by ICPMS
C4554	* Bromelain Assay Performed by NSF approved subcontract laboratory
C6481	* Fungal Amylase Assay Performed by NSF approved subcontract laboratory
M0336	*Escherichia coli in Dietary Supplements by quantitation
M0364	*Probiotic enumeration - testing performed by NSF approved laboratory
M0365	*Organism identification by PCR - testing performed by NSF approved laboratory
M4097	*Total Combined Mold and Yeast (Ref: USP 2021 mod. - DYM-109C)
M4338	*Enterobacteriaceae (Ref: USP 2021 mod.-S2-GN)
M4340	*Staphylococcus aureus (Ref: USP 2022 mod. - S2-SA)
M4341	*Salmonella species (Ref: USP 2022 mod. - S2-SAL)

Test descriptions preceded by an asterisk "*" indicate that testing has been performed per NSF requirements but is not within its scope of accreditation.

Unless otherwise indicated, method uncertainties are not applied in any determinations of conformity. Testing utilizes the requested sections of any referenced standards, which may not be the entire standard.

Dates of Laboratory Activity: 12-MAY-2025 to 09-JUL-2025



Please note that during the testing of the dietary supplement product or ingredient herein, the level of lead and other chemicals of interest may have been measured. The pass/fail criteria for contaminants can be found in the most recent version of NSF/ANSI 173. These limits may conflict with some state level regulations.

If this material is to be sold or distributed in the State of California, consideration should be given if it is necessary to provide a Proposition 65 warning. A full list of the current Proposition 65 Safe Harbor Limits can be found here: <http://www.oehha.ca.gov/prop65/getNSRLs.html>.