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# EVALUATION REPORT

**Send To: C0778175**

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

**Facility: C0778182**

[REDACTED]  
Benicia CA 94510  
United States

Result	PASS	Report Date	26-DEC-2024
Customer Name	LTF Club Operations, Inc.		
Tested To	NSF/ANSI 173 - 2022 (SOP 2395-20)		
Trade Designation	LTH BUILD Grass-fed Whey+ All-In-One Chocolate Flavor		
Test Type	Qualification		
Job Number	J-00501937		
Lot Number	-		
Project Number	W0855592		
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** 26-DEC-2024

Please see page 8 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: DS06666

Lot#: \_

Physical Description of Sample: Powder

Test Description: Initial Label Claim Testing

Trade Designation / Product ID: LTH BUILD Grass-fed Whey+ All-In-One Chocolate Flavor

This finished product was evaluated per category "Finished products containing Botanical extract / Other dietary supplement ingredient" for microbial contaminants as stated in Standard NSF/ANSI 173 for Dietary Supplements.

**Sample Id:** S-0002173114  
**Description:** LTH BUILD Grass-fed Whey+ All-In-One Chocolate Flavor | Powder | \_  
**Sampled Date:** 11/13/2024  
**Received Date:** 11/13/2024

Testing Parameter	Result	Units	Label Claim Value	Units	Accept. Level	P / F
<b>General Information</b>						
* Dietary Supplements Lab Summary Test Code						
Mass per servings	52	grams				
Servings per daily dose	1					
Lot Number	24304-3					
Expiration Date	05/07/2026					
<b>Contaminants</b>						
* 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(83)	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(460)	ug/day			8800 ug/day	Pass
N,N-Dimethylacetamide	ND(570)	ug/day			10900 ug/day	Pass
Dimethyl sulfoxide	ND(2600)	ug/day			50000 ug/day	Pass
N-Methylpyrrolidone	ND(280)	ug/day			5300 ug/day	Pass
Sulfolane	ND(83)	ug/day			1600 ug/day	Pass
* Residual Solvents in Dietary Supplements by Headspace-GCMS						
Methanol	ND(1600)	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(4.2)	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(490)	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(490)	ug/day			18700 ug/day	Pass



Sample Id: S-0002173114

Testing Parameter	Result	Units	Label Claim Value	Units	Accept. Level	P / F
<b>Contaminants ( Continued )</b>						
Methylethyl ketone	ND(2600)	ug/day			50000 ug/day	Pass
Ethyl acetate	ND(2600)	ug/day			50000 ug/day	Pass
Tetrahydrofuran	ND(380)	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(5.2)	ug/day			1500 ug/day	Pass
Cyclohexane	ND(2000)	ug/day			38800 ug/day	Pass
Carbon Tetrachloride	ND(2.1)	ug/day			4 ug/day	Pass
Benzene	ND(1.0)	ug/day			2 ug/day	Pass
1,2-Dimethoxyethane	ND(52)	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(42)	ug/day			800 ug/day	Pass
1-Butanol	ND(2600)	ug/day			50000 ug/day	Pass
Methylcyclohexane	ND(620)	ug/day			11800 ug/day	Pass
1,4-Dioxane	ND(200)	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(460)	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(190)	ug/day			3600 ug/day	Pass
Ethylbenzene	ND(190)	ug/day			21700 ug/day	Pass
m-Xylene	ND(680)	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(52)	ug/day			1000 ug/day	Pass
1,2-Dichloroethene	ND(990)	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(2.1)	ug/day			10 ug/day	Pass
Cadmium in digested solids by ICPMS						
Cadmium	0.83	ug/day			4.1 ug/day	Pass
Lead in digested solids by ICPMS						
Lead	ND(2.1)	ug/day			10 ug/day	Pass
Mercury in digested solids by ICPMS						
Mercury	ND(0.42)	ug/day			2 ug/day	Pass



Sample Id: S-0002173114

Testing Parameter	Result	Units	Label Claim Value	Units	Accept. Level	P / F
<b>Contaminants ( Continued )</b>						
*Total Combined Mold and Yeast (Ref: USP 2021 mod. - DYM-109C)						
Yeast and Mold	<1000	CFU/g			1000 CFU/g	Pass
*Escherichia coli presence/absence (Ref: USP 2022 mod. - S2-EC)						
E.coli Absent/Present 10 g	Absent					Pass
*Enterobacteriaceae (Ref: USP 2021 mod.-S2-GN)						
Enterobacteriaceae	<100	CFU/g			100 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
<b>Label Verification</b>						
* Testing performed by Liquid Chromatography						
Total Protein	34	g/serving	30			
Total Protein Comparison Value	30	g/serving	30			
Total Protein Pass/Fail	Pass		30			
Molybdenum in digested solids by ICPMS						
Molybdenum	58	ug/serving	22.5	ug/serving		Pass
Chromium in digested solids by ICPMS						
Chromium (as labeled)	43	ug/serving	17.5	ug/serving		Pass
Vitamin E by HPLC						
Vitamin E	8.2	mg/serving	7.5	mg/serving		Pass
* Biotin by Bioassay (Quantitative) Performed at NSF approved subcontract lab						
Biotin	130	ug/serving	105	ug/serving		Pass
Calcium in digested solids by ICP						
Calcium	250	mg/serving	160	mg/serving		Pass
Copper in digested solids by ICP						
Copper	0.65	mg/serving	0.45	mg/serving		Pass
* Iodine analysis (Quantitative) Performed at NSF approved subcontract lab						
Iodine	88	ug/serving	75	ug/serving		Pass
Iron in digested solids by ICP						
Iron	2.6	mg/serving	1	mg/serving		Pass
Manganese in digested solids by ICP						
Manganese	1.7	mg/serving	1.15	mg/serving		Pass
Zinc in digested solids by ICP						
Zinc	11	mg/serving	5.5	mg/serving		Pass
Vitamin A (as Beta Carotene) by HPLC						
Vitamin A (as beta-Carotene)	900	ug/serving	450	ug/serving		Pass
<b>Note: [ C4051/3 ]</b>						
Testing was performed by an approved NSF subcontract laboratory.						
Niacin (as Niacinamide) by HPLC						
Niacin (as Niacinamide)	7.9	mg/serving	8	mg/serving		Pass
<b>Note: [ C4300/4 ]</b>						
The accepted variation of the result was determined to be +/-20%, therefore the approval criteria was adjusted to take into account this uncertainty. The variation of the method was determined to be +/- 20%.						
* Vitamin C Assay by HPLC						
Vitamin C	69	mg/serving	45	mg/serving		Pass
* Vitamin D3 Assay by HPLC						



Sample Id: S-0002173114

Testing Parameter	Result	Units	Label Claim Value	Units	Accept. Level	P / F
<b>Label Verification ( Continued )</b>						
Cholecalciferol	20	ug/serving	10	ug/serving		Pass
<b>Other</b>						
Selenium in digested solids by ICPMS						
Selenium	47	ug/serving	27.5	ug/serving		Pass



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**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>
C0600	* Testing performed by Liquid Chromatography
C0946	Molybdenum in digested solids by ICPMS
C0950	Selenium in digested solids by ICPMS
C0964	Chromium in digested solids by ICPMS
C1032	* Dietary Supplements Lab Summary Test Code
C1042	Vitamin E by HPLC
C1341	* Biotin by Bioassay (Quantitative) Performed at NSF approved subcontract lab
C1421	* Residual Solvents in Dietary Supplements by GCMS
C1422	* Residual Solvents in Dietary Supplements by Headspace-GCMS
C3215	Calcium in digested solids by ICP
C3217	Copper in digested solids by ICP
C3219	* Iodide analysis (Quantitative) Performed at NSF approved subcontract lab
C3220	Iron in digested solids by ICP
C3222	Manganese in digested solids by ICP
C3227	Zinc in digested solids by ICP
C3251	* Hexavalent Chromium in DS by IC
C4025	* Aflatoxins by HPLC, Performed by NSF approved subcontract laboratory
C4051	Vitamin A (as Beta Carotene) by HPLC
C4300	Niacin (as Niacinamide) by HPLC
C4406	* Vitamin C Assay by HPLC
C4407	* Vitamin D3 Assay by HPLC
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
M4097	*Total Combined Mold and Yeast (Ref: USP 2021 mod. - DYM-109C)
M4337	*Escherichia coli presence/absence (Ref: USP 2022 mod. - S2-EC)
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: 13-NOV-2024 to 26-DEC-2024**



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>.