



789 N. Dixboro Rd. Ann Arbor, MI 48105, USA
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EVALUATION REPORT

Send To: C0778175

Facility: C0778182

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

[REDACTED]
Benicia CA 94510
United States

Result	PASS	Report Date	30-JUN-2025
Customer Name	LTF Club Operations Company, Inc.		
Tested To	NSF/ANSI 173 - 2022 (SOP 2395-20)		
Trade Designation	D.TOX CHOCOLATE		
Test Type	Annual Retest		
Job Number	J-00528045		
Lot Number	-		
Project Number	W0991263		
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 30-JUN-2025



General Information

Guideline: NSF/ANSI 173 - 2022 (SOP 2395-20)

DCC Number: DS05768

Lot#: _

Physical Description of Sample: Powder

Test Description: RETEST

Trade Designation / Product ID: D.TOX CHOCOLATE

This finished product was evaluated per category "Finished products containing only vitamin and minerals" for microbial contaminants as stated in Standard NSF/ANSI 173 for Dietary Supplements.

Sample Id: S-0002227512
Description: D.TOX CHOCOLATE | Powder | _
Sampled Date: 06/03/2025
Received Date: 06/03/2025

Testing Parameter	Result	Units	Label Claim Value	Units	Accept. Level	P / F
General Information						
* Dietary Supplements Lab Summary Test Code						
Mass per Serving	49	grams				
Servings per daily dose	1					
Lot Number	24348-5					
Expiration Date	06/18/2026					
Label Verification						
* 5-Methyltetrahydrofolic Acid by HPLC (Quantitative)						
5-Methyltetrahydrofolic Acid	590	ug DFE/serving	500	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.						



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>
C1032	* Dietary Supplements Lab Summary Test Code
C1260	* 5-Methyltetrahydrofolic Acid by HPLC (Quantitative)

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: 03-JUN-2025 to 30-JUN-2025



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

Facility: C0778182

[REDACTED]
Benicia CA 94510
United States

Result	FAIL	Report Date	30-APR-2025
Customer Name	LTF Club Operations Company, Inc.		
Tested To	NSF/ANSI 173 - 2022 (SOP 2395-20)		
Trade Designation	D.TOX CHOCOLATE		
Test Type	Annual Collection		
Job Number	A-00515456		
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 30-APR-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: DS05768
Lot#: _
Physical Description of Sample: Powder
Test Description: LABEL CLAIM TESTING 2
Trade Designation / Product ID: D.TOX CHOCOLATE

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.

Noncompliance Information

NSF has completed the annual testing and technical evaluation for the product identified above. The test results indicate that the product fails to meet the requirements of the standard or guideline. The parameters not in compliance with the standard or guideline are listed in the table below. A summary of resolution options along with the products and DCCs impacted by this non-compliance are listed below the table. Please investigate the root cause of the failure(s) and provide this and a corrective and preventive action plan ("CAPA") in writing to NSF within 30 calendar days. Once NSF approves the CAPA, the Company shall promptly implement the CAPA and NSF shall reevaluate product compliance by means acceptable to NSF, including retesting. Please refer to NSF General Policies on failure resolution.

Parameter	Result	Criteria
Folate (as 600 mcg (6S)-5-Methylfolate, Glucosamine Salt) (300 mcg folic acid)	370 mcg DFE	500 mcg DFE

C1260 5-Methyltetrahydrofolic Acid
Analysis was performed at an NSF approved subcontract laboratory following AOAC 992.05 and 960.46 methodologies utilizing microbiological assays. The analysis was performed in triplicate and the average was reported.

Products Impacted

D.TOX CHOCOLATE
D.TOX VANILLA

DCC's Impacted

DS05768
DS05782

Options for Resolution

- Retest the product under the same laboratory criteria. Please investigate the cause of the failure and submit a completed Corrective and Preventive Action ("CAPA") Form describing your investigation and why a different test result is expected (e.g. change to the manufacturing process). Documentation should include credible scientific justification and/or data to support investigation findings. The CAPA must support continued product certification. The retest shall commence after NSF has reviewed and accepted the submission.
- Revise the label claim(s) to match the laboratory results. If this option is selected, please contact your Account Manager and submit label(s) with updated use instructions for every impacted package size, flavor, and country of sale. A technical reviewer will review the revised label(s) and determine if additional information and/or testing is needed. If a Class I label claim is being removed from the label, this also must be removed from the product formulation. If testing is required and results in a second annual failure, product(s) impacted will be dropped.
- Submit an alternate test methodology for consideration. Please investigate the cause of the failure and submit a completed Corrective and Preventive Action ("CAPA") Form describing your investigation and why a different test result is expected using alternate methodology along with supporting documentation (e.g. testing history). In addition, using the Alternate Method Request Form please provide the proposed methodology. The retest shall commence after NSF International has reviewed and accepted the alternate test methodology. Testing must be performed or subcontracted through NSF.
- Reformulate to meet the label claim(s) specifications. If this option is selected, please contact your Account Manager for revision forms. A technical reviewer will review the revised formulation and determine if additional information is needed. Testing will be required for this option.



Sample Id: S-0002191481
Description: D.TOX CHOCOLATE | Powder | _
Sampled Date: 02/11/2025
Received Date: 02/11/2025

Testing Parameter	Result	Units	Label Claim Value	Units	Accept. Level	P / F
General Information						
* Dietary Supplements Lab Summary Test Code						
Mass per Serving	49	grams				
Servings per daily dose	1					
Lot Number	24348-5					
Expiration Date	06/18/2026					
Contaminants						
* Residual Solvents in Dietary Supplements by GCMS						
Nitromethane	ND(24)	ug/day			500 ug/day	Pass
Formic acid	ND(2400)	ug/day			50000 ug/day	Pass
2-Methoxyethanol	ND(24)	ug/day			500 ug/day	Pass
Acetic acid	ND(2400)	ug/day			50000 ug/day	Pass
2-Ethoxyethanol	ND(78)	ug/day			1600 ug/day	Pass
Ethylene Glycol	ND(300)	ug/day			6200 ug/day	Pass
Formamide	ND(110)	ug/day			2200 ug/day	Pass
N,N-Dimethylformamide	ND(430)	ug/day			8800 ug/day	Pass
N,N-Dimethylacetamide	ND(540)	ug/day			10900 ug/day	Pass
Dimethyl sulfoxide	ND(2400)	ug/day			50000 ug/day	Pass
N-Methylpyrrolidone	ND(260)	ug/day			5300 ug/day	Pass
Sulfolane	ND(78)	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(2400)	ug/day			50000 ug/day	Pass
Ethanol	ND(2400)	ug/day			50000 ug/day	Pass
Ethyl ether	ND(2400)	ug/day			50000 ug/day	Pass
1,1-Dichloroethene	ND(3.9)	ug/day			8 ug/day	Pass
Acetone	ND(2400)	ug/day			50000 ug/day	Pass
Ethyl formate	ND(2400)	ug/day			50000 ug/day	Pass
2-Propanol	ND(2400)	ug/day			50000 ug/day	Pass
Acetonitrile	ND(200)	ug/day			4100 ug/day	Pass
Methyl acetate	ND(2400)	ug/day			50000 ug/day	Pass
Methylene Chloride	ND(290)	ug/day			6000 ug/day	Pass
tert-Butylmethyl ether	ND(2400)	ug/day			50000 ug/day	Pass
trans-1,2-Dichloroethene	ND(460)	ug/day			18700 ug/day	Pass
Hexane	ND(100)	ug/day			2900 ug/day	Pass
1-Propanol	ND(2400)	ug/day			50000 ug/day	Pass
cis-1,2-Dichloroethene	ND(460)	ug/day			18700 ug/day	Pass
Methylethyl ketone	ND(2400)	ug/day			50000 ug/day	Pass
Ethyl acetate	ND(2400)	ug/day			50000 ug/day	Pass
Tetrahydrofuran	ND(360)	ug/day			7200 ug/day	Pass
2-Butanol	ND(2400)	ug/day			50000 ug/day	Pass
Chloroform	ND(29)	ug/day			600 ug/day	Pass
1,1,1-Trichloroethane	ND(4.9)	ug/day			1500 ug/day	Pass
Cyclohexane	ND(1900)	ug/day			38800 ug/day	Pass
Carbon Tetrachloride	ND(2.0)	ug/day			4 ug/day	Pass
Benzene	ND(0.98)	ug/day			2 ug/day	Pass



Sample Id: S-0002191481

Testing Parameter	Result	Units	Label Claim Value	Units	Accept. Level	P / F
Contaminants (Continued)						
1,2-Dimethoxyethane	ND(49)	ug/day			1000 ug/day	Pass
1,2-Dichloroethane	ND(2.4)	ug/day			5 ug/day	Pass
2-Methyl-1-propanol	ND(2400)	ug/day			50000 ug/day	Pass
Isopropyl acetate	ND(2400)	ug/day			50000 ug/day	Pass
Heptane	ND(2400)	ug/day			50000 ug/day	Pass
Trichloroethylene	ND(39)	ug/day			800 ug/day	Pass
1-Butanol	ND(2400)	ug/day			50000 ug/day	Pass
Methylcyclohexane	ND(590)	ug/day			11800 ug/day	Pass
1,4-Dioxane	ND(190)	ug/day			3800 ug/day	Pass
Propyl acetate	ND(2400)	ug/day			50000 ug/day	Pass
Pyridine	ND(98)	ug/day			2000 ug/day	Pass
Methylisobutylketone	ND(2400)	ug/day			50000 ug/day	Pass
Toluene	ND(440)	ug/day			8900 ug/day	Pass
3-Methyl-1-butanol	ND(2400)	ug/day			50000 ug/day	Pass
Isobutyl acetate	ND(2400)	ug/day			50000 ug/day	Pass
1-Pentanol	ND(2400)	ug/day			50000 ug/day	Pass
Methylbutylketone	ND(24)	ug/day			500 ug/day	Pass
Butyl acetate	ND(2400)	ug/day			50000 ug/day	Pass
Chlorobenzene	ND(180)	ug/day			3600 ug/day	Pass
Ethylbenzene	ND(180)	ug/day			21700 ug/day	Pass
m-Xylene	ND(640)	ug/day			21700 ug/day	Pass
p-Xylene	ND(150)	ug/day			21700 ug/day	Pass
o-Xylene	ND(98)	ug/day			21700 ug/day	Pass
Cumene	ND(34)	ug/day			700 ug/day	Pass
Anisole	ND(2400)	ug/day			50000 ug/day	Pass
Tetralin	ND(49)	ug/day			1000 ug/day	Pass
1,2-Dichloroethene	ND(930)	ug/day			18700 ug/day	Pass
* Hexavalent Chromium in DS by IC						
Chromium (VI)	ND(0.98)	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	2.2	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(0.39)	ug/day			2 ug/day	Pass
*Total Combined Mold and Yeast (Ref: USP 2021 mod. - DYM-109C)						
Yeast and Mold	<1000	CFU/g			1000 CFU/g	Pass
*Total Aerobic Microorganisms (Ref: USP 2021 mod. - NF-TVC)						
Aerobic Microorganisms	<10000	CFU/g			10000 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)						



Sample Id: S-0002191481

Testing Parameter	Result	Units	Label Claim Value	Units	Accept. Level	P / F
Contaminants (Continued)						
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						
* Testing performed by Liquid Chromatography						
Total Protein	21	g/serving	22			
Total Protein Comparison Value	22	g/serving	22			
Total Protein Pass/Fail	Pass		22			
Note: [C0600/1]						
The variation of the method was determined to be +/- 20%, therefore the acceptance criteria was adjusted to take into account this uncertainty.						
Molybdenum in digested solids by ICPMS						
Molybdenum	110	ug/serving	50	ug/serving		Pass
Chromium in digested solids by ICPMS						
Chromium (as labeled)	150	ug/serving	100	ug/serving		Pass
*Pyridoxal-5'-phosphate, as Vitamin B6, by HPLC						
Pyridoxal-5'-phosphate	13	mg/serving	10	mg/serving		Pass
* 5-Methyltetrahydrofolic Acid by HPLC (Quantitative)						
5-Methyltetrahydrofolic Acid	370	ug DFE/serving	500	ug DFE/serving		Fail
Note: [C1260/1]						
Testing was performed by an approved NSF subcontract laboratory.						
Folate results reported from microbiological assay methodology, not HPLC as indicated in the test code description.						
* Biotin by Bioassay (Quantitative) Performed at NSF approved subcontract lab						
Biotin	160	ug/serving	150	ug/serving		Pass
Calcium in digested solids by ICP						
Calcium	310	mg/serving	250	mg/serving		Pass
Magnesium in digested solids by ICP						
Magnesium	180	mg/serving	110	mg/serving		Pass
Manganese in digested solids by ICP						
Manganese	2.1	mg/serving	1.5	mg/serving		Pass
Potassium in digested solids by ICP						
Potassium	640	mg/serving	450	mg/serving		Pass
Zinc in digested solids by ICP						
Zinc	14	mg/serving	10	mg/serving		Pass
* Vitamin B12 by Bioassay (Quantitative), Performed by NSF approved subcontract laboratory						
Vitamin B12	54	ug/serving	50	ug/serving		Pass
* L-Arginine (Quantitative) by HPLC						
L-Arginine	150	mg/serving	100	mg/serving		Pass
* L-Glutamine (Quantitative) by HPLC						
L-Glutamine	560	mg/serving	500	mg/serving		Pass
Pantothenic Acid Assay by HPLC						
Pantothenic Acid	71	mg/serving	50	mg/serving		Pass
* Vitamin C Assay by HPLC						
Vitamin C	340	mg/serving	300	mg/serving		Pass
Other						
Selenium in digested solids by ICPMS						



Sample Id: S-0002191481

Testing Parameter	Result	Units	Label Claim Value	Units	Accept. Level	P / F
Other (Continued)						
Selenium	61	ug/serving	30	ug/serving		Pass
Sodium in digested solids by ICP						
Sodium	710	mg/serving	730	mg/serving		Pass
Note: [C4347/2] Reasonable deficiencies of calories, sugars, total fat, saturated fat, trans fat, cholesterol, or sodium under labeled amounts are acceptable (as set forth by 21 CFR § 101.9 and 101.36).						



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
C0975	*Pyridoxal-5'-phosphate, as Vitamin B6, by HPLC
C1032	* Dietary Supplements Lab Summary Test Code
C1260	* 5-Methyltetrahydrofolic Acid by HPLC (Quantitative)
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
C3221	Magnesium in digested solids by ICP
C3222	Manganese in digested solids by ICP
C3225	Potassium 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
C4104	* Vitamin B12 by Bioassay (Quantitative), Performed by NSF approved subcontract laboratory
C4237	* L-Arginine (Quantitative) by HPLC
C4247	* L-Glutamine (Quantitative) by HPLC
C4307	Pantothenic Acid Assay by HPLC
C4347	Sodium in digested solids by ICP
C4406	* Vitamin C 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)
M4098	*Total Aerobic Microorganisms (Ref: USP 2021 mod. - NF-TVC)
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: 11-FEB-2025 to 24-APR-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>.