



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

Send To: C0778175

Facility: C0778182

Life Time, Inc.
2902 Corporate Place
Chanhassen, MN 55317

Benicia CA 94510
United States

Result	PASS	Report Date	07-JUN-2024
Customer Name	Life Time, Inc.		
Tested To	NSF/ANSI 173 - 2022 (SOP 2395-20)		
Trade Designation	Grass-fed Whey Strawberry Cream		
Test Type	Annual Collection		
Job Number	A-00485120		
Lot Number	-		
Project Number	W0886728		
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



Date 07-JUN-2024

[REDACTED] - Technical Lead, Health Sciences Certification

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: FC01557

Lot#: _

Physical Description of Sample: Powder

Test Description: LABEL CLAIM TESTING 2

Trade Designation / Product ID: Grass-fed Whey Strawberry Cream

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-0002103825
Description: Grass-fed Whey Strawberry Cream | Powder
Sampled Date: 04/06/2024
Received Date: 04/06/2024

Testing Parameter	Result	Units	Label Claim Value	Units	Accept. Level	P / F
General Information						
* Dietary Supplements Lab Summary Test Code						
Mass per Serving	30	grams				
Servings per daily dose	1					
Lot Number	24073-9					
Expiration Date	3/18/2026					
Contaminants						
* Residual Solvents in Dietary Supplements by GCMS						
Nitromethane	ND(15)	ug/day			500 ug/day	Pass
Formic acid	ND(1500)	ug/day			50000 ug/day	Pass
2-Methoxyethanol	ND(15)	ug/day			500 ug/day	Pass
Acetic acid	ND(1500)	ug/day			50000 ug/day	Pass
2-Ethoxyethanol	ND(48)	ug/day			1600 ug/day	Pass
Ethylene Glycol	ND(190)	ug/day			6200 ug/day	Pass
Formamide	ND(66)	ug/day			2200 ug/day	Pass
N,N-Dimethylformamide	ND(260)	ug/day			8800 ug/day	Pass
N,N-Dimethylacetamide	ND(330)	ug/day			10900 ug/day	Pass
Dimethyl sulfoxide	ND(1500)	ug/day			50000 ug/day	Pass
N-Methylpyrrolidone	ND(160)	ug/day			5300 ug/day	Pass
Sulfolane	ND(48)	ug/day			1600 ug/day	Pass
* Residual Solvents in Dietary Supplements by Headspace-GCMS						
Methanol	ND(900)	ug/day			30000 ug/day	Pass
Pentane	ND(1500)	ug/day			50000 ug/day	Pass
Ethanol	ND(1500)	ug/day			50000 ug/day	Pass
Ethyl ether	ND(1500)	ug/day			50000 ug/day	Pass
1,1-Dichloroethene	ND(2.4)	ug/day			8 ug/day	Pass
Acetone	ND(1500)	ug/day			50000 ug/day	Pass
Ethyl formate	ND(1500)	ug/day			50000 ug/day	Pass
2-Propanol	ND(1500)	ug/day			50000 ug/day	Pass
Acetonitrile	ND(120)	ug/day			4100 ug/day	Pass
Methyl acetate	ND(1500)	ug/day			50000 ug/day	Pass
Methylene Chloride	ND(180)	ug/day			6000 ug/day	Pass
tert-Butylmethyl ether	ND(1500)	ug/day			50000 ug/day	Pass
trans-1,2-Dichloroethene	ND(280)	ug/day			18700 ug/day	Pass
Hexane	ND(63)	ug/day			2900 ug/day	Pass
1-Propanol	ND(1500)	ug/day			50000 ug/day	Pass
cis-1,2-Dichloroethene	ND(280)	ug/day			18700 ug/day	Pass



Sample Id: S-0002103825

Testing Parameter	Result	Units	Label Claim Value	Units	Accept. Level	P / F
Contaminants (Continued)						
Methylethyl ketone	ND(1500)	ug/day			50000 ug/day	Pass
Ethyl acetate	ND(1500)	ug/day			50000 ug/day	Pass
Tetrahydrofuran	ND(220)	ug/day			7200 ug/day	Pass
2-Butanol	ND(1500)	ug/day			50000 ug/day	Pass
Chloroform	ND(18)	ug/day			600 ug/day	Pass
1,1,1-Trichloroethane	ND(3.0)	ug/day			1500 ug/day	Pass
Cyclohexane	ND(1200)	ug/day			38800 ug/day	Pass
Carbon Tetrachloride	ND(1.2)	ug/day			4 ug/day	Pass
Benzene	ND(0.60)	ug/day			2 ug/day	Pass
1,2-Dimethoxyethane	ND(30)	ug/day			1000 ug/day	Pass
1,2-Dichloroethane	ND(1.5)	ug/day			5 ug/day	Pass
2-Methyl-1-propanol	ND(1500)	ug/day			50000 ug/day	Pass
Isopropyl acetate	ND(1500)	ug/day			50000 ug/day	Pass
Heptane	ND(1500)	ug/day			50000 ug/day	Pass
Trichloroethylene	ND(24)	ug/day			800 ug/day	Pass
1-Butanol	ND(1500)	ug/day			50000 ug/day	Pass
Methylcyclohexane	ND(360)	ug/day			11800 ug/day	Pass
1,4-Dioxane	ND(110)	ug/day			3800 ug/day	Pass
Propyl acetate	ND(1500)	ug/day			50000 ug/day	Pass
Pyridine	ND(60)	ug/day			2000 ug/day	Pass
Methylisobutylketone	ND(1500)	ug/day			50000 ug/day	Pass
Toluene	ND(270)	ug/day			8900 ug/day	Pass
3-Methyl-1-butanol	ND(1500)	ug/day			50000 ug/day	Pass
Isobutyl acetate	ND(1500)	ug/day			50000 ug/day	Pass
1-Pentanol	ND(1500)	ug/day			50000 ug/day	Pass
Methylbutylketone	ND(15)	ug/day			500 ug/day	Pass
Butyl acetate	ND(1500)	ug/day			50000 ug/day	Pass
Chlorobenzene	ND(110)	ug/day			3600 ug/day	Pass
Ethylbenzene	ND(110)	ug/day			21700 ug/day	Pass
m-Xylene	ND(390)	ug/day			21700 ug/day	Pass
p-Xylene	ND(93)	ug/day			21700 ug/day	Pass
o-Xylene	ND(60)	ug/day			21700 ug/day	Pass
Cumene	ND(21)	ug/day			700 ug/day	Pass
Anisole	ND(1500)	ug/day			50000 ug/day	Pass
Tetralin	ND(30)	ug/day			1000 ug/day	Pass
1,2-Dichloroethene	ND(570)	ug/day			18700 ug/day	Pass
Adulterants Screen by LCHRMS in Dietary Supplement Products						
2-Hydroxypropylnortadalafil	< /=50mcg/g					
Acetaminotadalafil	< /=50mcg/g					
Acetildenafil	< /=50mcg/g					
Acetylvardenafil	< /=50mcg/g					
Aildenafil	< /=50mcg/g					
Aminotadalafil	< /=50mcg/g					
Avanafil	< /=50mcg/g					
Benzamidenafil	< /=50mcg/g					
Benzylsildenafil	< /=50mcg/g					
Carbodenafil	< /=50mcg/g					
Chlorodenafil	< /=50mcg/g					
Chloropretadalafil	< /=50mcg/g					



Sample Id: S-0002103825

Testing Parameter	Result	Units	Label Claim Value	Units	Accept. Level	P / F
Contaminants (Continued)						
Dimethylacetildenafilil	</=50mcg/g					
Gendenafl	</=50mcg/g					
Gisadenafl	</=50mcg/g					
homosildenafilil	</=50mcg/g					
Hydroxyacetildenafilil	</=50mcg/g					
Hydroxychlorodenafl	</=50mcg/g					
hydroxyhomosildenafilil	</=50mcg/g					
Hydroxythiohomosildenafilil	</=50mcg/g					
Hydroxythiovardenafl	</=50mcg/g					
Hydroxyvardenafl	</=50mcg/g					
Imidazosagatriazinone	</=50mcg/g					
Lodenafl carbonate	</=50mcg/g					
Mirodenafl	</=50mcg/g					
N-Butylnortadalafl	</=50mcg/g					
N-Desethylvardenafl	</=50mcg/g					
N-Desmethylsildenafilil	</=50mcg/g					
Nitrodenafl	</=50mcg/g					
N-Octylnortadalafl	</=50mcg/g					
Noracetildenafilil	</=50mcg/g					
Norneosildenafilil	</=50mcg/g					
Norneovardenafl	</=50mcg/g					
Nortadalafl	</=50mcg/g					
Piperiacetildenafilil	</=50mcg/g					
Propoxyphenyl homohydroxysildenafilil	</=50mcg/g					
Propoxyphenyl sildenafilil	</=50mcg/g					
Propoxyphenyl thiohydroxyhomosildenafilil	</=50mcg/g					
Pseudovardenafl	</=50mcg/g					
sildenafilil	</=50mcg/g					
Tadalafl	</=50mcg/g					
Thioaildenafilil	</=50mcg/g					
Thiohomosildenafilil	</=50mcg/g					
Thiosildenafilil	</=50mcg/g					
Udenafl	</=50mcg/g					
Vardenafl	</=50mcg/g					
1,3-DMAA	</=50mcg/g					
1,3-DMBA	</=50mcg/g					
1,4-Dimethylpentylamine	</=50mcg/g					
beta-methylphenylethylamine	</=50mcg/g					
dapoxetine	</=50mcg/g					
desmethylsibutramine	</=50mcg/g					
deterenol	</=50mcg/g					
didesmethylsibutramine	</=50mcg/g					
fluoxetine	</=50mcg/g					
lorcaserin	</=50mcg/g					
N,alpha-diethylphenylethylamine	</=50mcg/g					
octodrine	</=50mcg/g					
oxilofrine	</=50mcg/g					
phenolphthalein	</=50mcg/g					
phenpromethamine	</=50mcg/g					



Sample Id: S-0002103825

Testing Parameter	Result	Units	Label Claim Value	Units	Accept. Level	P / F
Contaminants (Continued)						
sibutramine	</=50mcg/g					
GW1516	</=50mcg/g					
ibutamoren	</=50mcg/g					
LGD-4033	</=50mcg/g					
ostarine	</=50mcg/g					
RAD140	</=50mcg/g					
1-androsterone	</=50mcg/g					
4-Androsten-3,6,17-trione	</=50mcg/g					
4-Androsten-3alpha-ol-17-one	</=50mcg/g					
4-Androsten-3beta-ol-17-one	</=50mcg/g					
4-androstenedione	</=50mcg/g					
7-keto-dehydroepiandrosterone	</=50mcg/g					
Androsta-1,4,6-triene-3,17-dione	</=50mcg/g					
androsta-3,5-diene-7,17-dione	</=50mcg/g					
androsterone	</=50mcg/g					
dehydrochloromethyltestosterone	</=50mcg/g					
Estra-4,9-diene-3,17-dione	</=50mcg/g					
Methandienone	</=50mcg/g					
Methasterone	</=50mcg/g					
Methyl-1-testosterone	</=50mcg/g					
Methylstenbolone	</=50mcg/g					
Prostanazol	</=50mcg/g					
stanozolol	</=50mcg/g					
diclofenac	</=50mcg/g					
dexamethasone	</=50mcg/g					
indomethacin	</=50mcg/g					
methocarbamol	</=50mcg/g					
acetaminophen	</=50mcg/g					
ibuprofen	</=50mcg/g					
meloxicam	</=50mcg/g					
piroxicam	</=50mcg/g					
naproxen	</=50mcg/g					
prednisone	</=50mcg/g					
prednisolone	</=50mcg/g					
hydrocortisone	</=50mcg/g					
Adulterants Screen Pass/Fail	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(1.2)	ug/day			10 ug/day	Pass
Cadmium in digested solids by ICPMS						
Cadmium	ND(0.24)	ug/day			4.1 ug/day	Pass
Total Chromium in digested solids by ICPMS						
Chromium (Total)	ND(1.2)	ug/day			20 ug/day	Pass
Lead in digested solids by ICPMS						
Lead	ND(1.2)	ug/day			10 ug/day	Pass
Mercury in digested solids by ICPMS						
Mercury	ND(0.24)	ug/day			2 ug/day	Pass



Sample Id: S-0002103825

Testing Parameter	Result	Units	Label Claim Value	Units	Accept. Level	P / F
Contaminants (Continued)						
*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)						
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	120	Cal/serving	120	Cal/serving		Pass
* Total Protein by HPLC (Quantitative), Performed by NSF approved subcontract laboratory						
Total Protein	22	g/serving	20	g/serving		Pass
* Saturated Fatty Acids by GC						
Total Saturated Fatty Acids	1.4	g/serving				
Label Claim	2.0	g/serving				
<p>Note: [C1282/1]</p> <p>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).</p> <p>Testing was performed by an approved NSF subcontract laboratory.</p>						
* Total Fat						
Total Fat	2.0	g/serving	3	g/serving		Pass
<p>Note: [C4429/1]</p> <p>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).</p>						
* Carbohydrates by Calculation Performed by NSF approved subcontract laboratory						
Carbohydrates	3.2	g/serving	4	g/serving		Pass
<p>Note: [C4432/1]</p> <p>The variation of the Carbohydrate analysis is accepted to be +/-2 g/serving due to the analytical uncertainty from the components of the analysis. The amount of Carbohydrates under the labelled amount is within good manufacturing practice, is physiologically insignificant and poses no public health or safety risk.</p>						
* Sugar Profile analysis (Quantitative) Performed at NSF approved subcontract lab						
Total Sugar	1.4	g/serving	2	g/serving		Pass
<p>Note: [C4433/2]</p> <p>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).</p>						



Job Notes:

Note: Microbial contaminants evaluated under NSF Deviation # 2023-003.
Conformance assessment for known adulterants and chemical contaminants (NSF/ANSI 173 and NSF 229 sections 5.3.5 & 7.4) was performed under NSF Deviation #2024-003.



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
C1032	* Dietary Supplements Lab Summary Test Code
C1155	* Total Protein by HPLC (Quantitative), Performed by NSF approved subcontract laboratory
C1282	* Saturated Fatty Acids by GC
C1421	* Residual Solvents in Dietary Supplements by GCMS
C1422	* Residual Solvents in Dietary Supplements by Headspace-GCMS
C1575	Adulterants Screen by LCHRMS in Dietary Supplement Products
C4025	* Aflatoxins by HPLC, Performed by NSF approved subcontract laboratory
C4429	* Total Fat
C4432	* Carbohydrates by Calculation Performed by NSF approved subcontract laboratory
C4433	* Sugar Profile analysis (Quantitative) Performed at NSF approved subcontract lab
C4538	Arsenic in digested solids by ICPMS
C4539	Cadmium in digested solids by ICPMS
C4540	Total Chromium 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: 05-APR-2024 to 06-JUN-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>.



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

Send To: C0778175

[Redacted]
Life Time, Inc.
2902 Corporate Place
Chanhassen, MN 55317

Facility: C0778182

[Redacted]
Benicia CA 94510
United States

Result	PASS	Report Date	07-NOV-2023
Customer Name	Life Time, Inc.		
Tested To	NSF 229		
Trade Designation	Grass-fed WHEY PROTEIN CHOCOLATE		
Test Type	Qualification		
Job Number	J-00471234		
Lot Number	-		
Project Number	W0855589		
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 07-NOV-2023

[Redacted] - Technical Lead, Health Sciences Certification

Please see page 7 in the test report for text relevant to lead and Proposition 65 warning requirements.



General Information

Guideline: NSF 229
DCC Number: FC01493
Lot#: _
Physical Description of Sample: Powder
Test Description: Initial Label Claim Testing
Trade Designation / Product ID: Grass-fed WHEY PROTEIN 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.

Sample Id: S-0002053722
Description: Grass-fed WHEY PROTEIN CHOCOLATE | Powder
Sampled Date: 10/03/2023
Received Date: 10/03/2023

Testing Parameter	Result	Units	Label Claim Value	Units	Accept. Level	P / F
General Information						
* Dietary Supplements Lab Summary Test Code						
Mass per Serving	31	grams				
Servings per daily dose	1					
Lot Number	23031-5					
Expiration Date	02/07/2025					
Contaminants						
* Residual Solvents in Dietary Supplements by GCMS						
Nitromethane	ND(16)	ug/day			500 ug/day	Pass
Formic acid	ND(1600)	ug/day			50000 ug/day	Pass
2-Methoxyethanol	ND(16)	ug/day			500 ug/day	Pass
Acetic acid	ND(1600)	ug/day			50000 ug/day	Pass
2-Ethoxyethanol	ND(50)	ug/day			1600 ug/day	Pass
Ethylene Glycol	ND(190)	ug/day			6200 ug/day	Pass
Formamide	ND(68)	ug/day			2200 ug/day	Pass
N,N-Dimethylformamide	ND(270)	ug/day			8800 ug/day	Pass
N,N-Dimethylacetamide	ND(340)	ug/day			10900 ug/day	Pass
Dimethyl sulfoxide	ND(1600)	ug/day			50000 ug/day	Pass
N-Methylpyrrolidone	ND(160)	ug/day			5300 ug/day	Pass
Sulfolane	ND(50)	ug/day			1600 ug/day	Pass
* Residual Solvents in Dietary Supplements by Headspace-GCMS						
Methanol	ND(930)	ug/day			30000 ug/day	Pass
Pentane	ND(1600)	ug/day			50000 ug/day	Pass
Ethanol	ND(1600)	ug/day			50000 ug/day	Pass
Ethyl ether	ND(1600)	ug/day			50000 ug/day	Pass
1,1-Dichloroethene	ND(2.5)	ug/day			8 ug/day	Pass
Acetone	ND(1600)	ug/day			50000 ug/day	Pass
Ethyl formate	ND(1600)	ug/day			50000 ug/day	Pass
2-Propanol	ND(1600)	ug/day			50000 ug/day	Pass
Acetonitrile	ND(130)	ug/day			4100 ug/day	Pass
Methyl acetate	ND(1600)	ug/day			50000 ug/day	Pass
Methylene Chloride	ND(190)	ug/day			6000 ug/day	Pass
tert-Butylmethyl ether	ND(1600)	ug/day			50000 ug/day	Pass
trans-1,2-Dichloroethene	ND(290)	ug/day			18700 ug/day	Pass
Hexane	ND(65)	ug/day			2900 ug/day	Pass
1-Propanol	ND(1600)	ug/day			50000 ug/day	Pass
cis-1,2-Dichloroethene	ND(290)	ug/day			18700 ug/day	Pass



Sample Id: S-0002053722

Testing Parameter	Result	Units	Label Claim Value	Units	Accept. Level	P / F
Contaminants (Continued)						
Methylethyl ketone	ND(1600)	ug/day			50000 ug/day	Pass
Ethyl acetate	ND(1600)	ug/day			50000 ug/day	Pass
Tetrahydrofuran	ND(230)	ug/day			7200 ug/day	Pass
2-Butanol	ND(1600)	ug/day			50000 ug/day	Pass
Chloroform	ND(19)	ug/day			600 ug/day	Pass
1,1,1-Trichloroethane	ND(3.1)	ug/day			1500 ug/day	Pass
Cyclohexane	ND(1200)	ug/day			38800 ug/day	Pass
Carbon Tetrachloride	ND(1.2)	ug/day			4 ug/day	Pass
Benzene	ND(0.62)	ug/day			2 ug/day	Pass
1,2-Dimethoxyethane	ND(31)	ug/day			1000 ug/day	Pass
1,2-Dichloroethane	ND(1.6)	ug/day			5 ug/day	Pass
2-Methyl-1-propanol	ND(1600)	ug/day			50000 ug/day	Pass
Isopropyl acetate	ND(1600)	ug/day			50000 ug/day	Pass
Heptane	ND(1600)	ug/day			50000 ug/day	Pass
Trichloroethylene	ND(25)	ug/day			800 ug/day	Pass
1-Butanol	ND(1600)	ug/day			50000 ug/day	Pass
Methylcyclohexane	ND(370)	ug/day			11800 ug/day	Pass
1,4-Dioxane	ND(120)	ug/day			3800 ug/day	Pass
Propyl acetate	ND(1600)	ug/day			50000 ug/day	Pass
Pyridine	ND(62)	ug/day			2000 ug/day	Pass
Methylisobutylketone	ND(1600)	ug/day			50000 ug/day	Pass
Toluene	ND(280)	ug/day			8900 ug/day	Pass
3-Methyl-1-butanol	ND(1600)	ug/day			50000 ug/day	Pass
Isobutyl acetate	ND(1600)	ug/day			50000 ug/day	Pass
1-Pentanol	ND(1600)	ug/day			50000 ug/day	Pass
Methylbutylketone	ND(16)	ug/day			500 ug/day	Pass
Butyl acetate	ND(1600)	ug/day			50000 ug/day	Pass
Chlorobenzene	ND(110)	ug/day			3600 ug/day	Pass
Ethylbenzene	ND(110)	ug/day			21700 ug/day	Pass
m-Xylene	ND(400)	ug/day			21700 ug/day	Pass
p-Xylene	ND(96)	ug/day			21700 ug/day	Pass
o-Xylene	ND(62)	ug/day			21700 ug/day	Pass
Cumene	ND(22)	ug/day			700 ug/day	Pass
Anisole	ND(1600)	ug/day			50000 ug/day	Pass
Tetralin	ND(31)	ug/day			1000 ug/day	Pass
1,2-Dichloroethene	ND(590)	ug/day			18700 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(1.2)	ug/day			10 ug/day	Pass
Cadmium in digested solids by ICPMS						
Cadmium	0.62	ug/day			4.1 ug/day	Pass
Total Chromium in digested solids by ICPMS						
Chromium (Total)	19	ug/day			20 ug/day	Pass
Lead in digested solids by ICPMS						
Lead	ND(1.2)	ug/day			10 ug/day	Pass
Mercury in digested solids by ICPMS						
Mercury	ND(0.25)	ug/day			2 ug/day	Pass



Sample Id: S-0002053722

Testing Parameter	Result	Units	Label Claim Value	Units	Accept. Level	P / F
Contaminants (Continued)						
*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)						
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						
* Total Protein by HPLC (Quantitative), Performed by NSF approved subcontract laboratory						
Total Protein	22	g/serving	20	g/serving		Pass
Calcium in digested solids by ICP						
Calcium	150	mg/serving	20	mg/serving		Pass
Iron in digested solids by ICP						
Iron	2.5	mg/serving	0.5	mg/serving		Pass
Potassium in digested solids by ICP						
Potassium	370	mg/serving	250	mg/serving		Pass
* Cholesterol - Performed by NSF approved subcontract laboratory						
Cholesterol	52	mg/serving	60	mg/serving		Pass
Note: [C4434/2]						
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).						
Other						
Sodium in digested solids by ICP						
Sodium	220	mg/serving	180	mg/serving		Pass
Note: [C4347/2]						
The accepted variation of the result was determined to be +/- 10%, therefore the approval criteria was adjusted to take into account this uncertainty.						



Job Notes:

Note: Microbial contaminants evaluated under NSF Deviation # 2023-005.



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
C1155	* Total Protein by HPLC (Quantitative), Performed by NSF approved subcontract laboratory
C1421	* Residual Solvents in Dietary Supplements by GCMS
C1422	* Residual Solvents in Dietary Supplements by Headspace-GCMS
C3215	Calcium in digested solids by ICP
C3220	Iron in digested solids by ICP
C3225	Potassium in digested solids by ICP
C4025	* Aflatoxins by HPLC, Performed by NSF approved subcontract laboratory
C4347	Sodium in digested solids by ICP
C4434	* Cholesterol - Performed by NSF approved subcontract laboratory
C4538	Arsenic in digested solids by ICPMS
C4539	Cadmium in digested solids by ICPMS
C4540	Total Chromium 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: 03-OCT-2023 to 06-NOV-2023



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>.