

Certificate of Analysis

Ave

United States

Sample Name:	Soursop Bitters	Eurofins Sample:	14903097
Project ID		Receipt Date	22-Jan-2025
PO Number	NA	Receipt Condition	Ambient temperature
Lot Number		Login Date	17-Jan-2025
Sample Serving Size	2 Tablespoon	Date Started	23-Jan-2025
Description	TR173696936382988 B0CYV4FCJS EXP: 08-2026	Sampled	Sample results apply as received
		Online Order	

Analysis	Result	Specifications	Pass/Fail
Density by Gravimetric Analysis			
Density	1.022 g/mL		
Aerobic Plate Count *			
Aerobic Plate Count	<100 CFU/g	<= 10000000 CFU/g	Pass
E. coli *			
Escherichia Coli	Absent /10 g		
Enterobacteriaceae (Bile-Tolerant Gram-Negative Bacteria) *			
Enterobacterial Count	<10 MPN MPN/g	<= 10000 MPN/g	
Salmonella USP *			
Salmonella	Absent /10 g		
Staphylococcus *			
Staphylococcus Aureus	Absent /10 g		
Yeast and Mold Count *			
Combined Yeast and Mold Count	<100 CFU/g	<= 100000 CFU/g	Pass
Preparatory Testing of Nutritional and Dietary Supplements *			
Staphylococcus Suitability Result	PASS		
Salmonella Suitability Result	PASS		
E. coli Suitability Result	PASS		
Total Combined Yeast-Molds Count	PASS		
Aerobic Plate Suitability Result	PASS		
Bile-Tolerant Gram-Neg Bacteria Suitability Result	PASS		
Elements by ICP Mass Spectrometry			
Lead	0.000232 mg/Serving Size	<= 0.01 mg/Serving Size	Pass
Chromium *	0.00160 mg/Serving Size	<= 0.02 mg/Serving Size	Pass
Cadmium	<0.000151 mg/Serving Size	<= 0.0041 mg/Serving Size	Pass
Mercury	<0.000151 mg/Serving Size	<= 0.002 mg/Serving Size	Pass
Arsenic	<0.000302 mg/Serving Size	<= 0.01 mg/Serving Size	Pass

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Analysis	Result	Specifications	Pass/Fail
Targeted Analysis of Weight Management Adulterants for Amazon Products			
Dapoxetine	Not Detected.		
Desmethyisibutramine	Not Detected.		
Deterenol	Not Detected.		
Didesmethyisibutramine	Not Detected.		
N,α-Diethylphenylethylamine (N,α-DEPEA)	Not Detected.		
Sum of 1,3-Dimethylamylamine (1,3-DMAA) and 1,4-Dimethylamylamine (1,4-DMAA)	Not Detected.		
1,3-Dimethylbutylamine (1,3-DMBA)	Not Detected.		
Fluoxetine	Not Detected.		
Lorcaserin	Not Detected.		
β-Methylphenethylamine (β-MPEA)	Not Detected.		
Octodrine (2-amino-6-methylheptane)	Not Detected.		
Oxilofrine (4-hydroxyephedrine)	Not Detected.		
Phenolphthalein	Not Detected.		
Phenpromethamine (N,β-DMPEA)	Not Detected.		
Sibutramine	Not Detected.		
The reporting limits for dapoxetine; deterenol; N,α-diethylphenylethylamine; β-methylphenethylamine; oxilofrine; phenpromethamine; and sibutramine are 5.0 mcg/g in matrix.	-		
The reporting limits for 1,3-dimethylamylamine; 1,4-dimethylamylamine; 1,3-dimethylbutylamine; desmethyisibutramine; didesmethylsibutramine; and phenolphthalein are 10 mcg/g in matrix.	-		

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Analysis	Result	Specifications	Pass/Fail
Targeted Analysis of Weight Management Adulterants for Amazon Products			
The reporting limits for the sum of 1,3-dimethylamylamine and 1,4-dimethylamylamine, if not reported separately, and fluoxetine are 20 mcg/g in matrix. The reporting limit for octodrine is 50 mcg/g in matrix.	-		
GC-MS/MS and LC-MS/MS Multi-Residue Analysis			
Acephate	<0.1 mg/kg		Pass
Alachlor	<0.05 mg/kg		Pass
Aldrin and dieldrin (sum of)	<0.05 mg/kg		Pass
Azinphos-ethyl	<0.1 mg/kg		Pass
Azinphos-methyl	<1 mg/kg		Pass
Bromophos-ethyl	<0.05 mg/kg		Pass
Bromophos-methyl	<0.05 mg/kg		Pass
Bromopropylate	<3 mg/kg		Pass
Chlordane (sum of cis- and trans- isomers and oxychlordane)	<0.05 mg/kg		Pass
Chlorfenvinphos	<0.5 mg/kg		Pass
Chlorpyrifos-ethyl	<0.2 mg/kg		Pass
Chlorpyrifos-methyl	<0.1 mg/kg		Pass
Chlorthal-dimethyl	<0.01 mg/kg		Pass
Cyfluthrin (sum of isomers)	<0.1 mg/kg		Pass
Cyhalothrin, lambda-	<1 mg/kg		Pass
Cypermethrin (sum of isomers)	<1 mg/kg		Pass
DDT (sum of o,p'-DDT, p,p'-DDT, o,p'-DDE, p,p'-DDE, o,p'-DDD, and p,p'-DDD)	<1 mg/kg		Pass
Deltamethrin	<0.5 mg/kg		Pass
Diazinon	<0.5 mg/kg		Pass

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GC-MS/MS and LC-MS/MS Multi-Residue Analysis			
Dichlofluanid	<0.1 mg/kg		Pass
Dichlorvos	<1 mg/kg		Pass
Dicofol	<0.5 mg/kg		Pass
Dimethoate and omethoate (sum of)	<0.1 mg/kg		Pass
Endosulfan (sum of isomers and endosulfan sulfate)	<3 mg/kg		Pass
Endrin	<0.05 mg/kg		Pass
Ethion	<2 mg/kg		Pass
Etrimphos	<0.05 mg/kg		Pass
Fenchlorphos (sum of fenchlorphos and fenchlorphos-oxon)	<0.1 mg/kg		Pass
Fenitrothion	<0.5 mg/kg		Pass
Fenpropathrin	<0.03 mg/kg		Pass
Fensulfothion (sum of fensulfothion, fensulfothion-oxon, fensulfothion-oxon sulfone and fensulfothion sulfone)	<0.05 mg/kg		Pass
Fenthion (sum of fenthion, fenthion-oxon, fenthion-oxon sulfone, fenthion-oxon sulfoxide, fenthion sulfone and fenthion sulfoxide)	<0.05 mg/kg		Pass
Fenvalerate	<1.5 mg/kg		Pass
Flucythrinate	<0.05 mg/kg		Pass
Fluvalinate, tau-	<0.05 mg/kg		Pass
Fonofos	<0.05 mg/kg		Pass
Heptachlor (sum of heptachlor and cis- and trans-heptachlor epoxides)	<0.05 mg/kg		Pass
Hexachlorobenzene	<0.1 mg/kg		Pass
Hexachlorocyclohexane isomers (other than gamma)	<0.3 mg/kg		Pass

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Analysis	Result	Specifications	Pass/Fail
GC-MS/MS and LC-MS/MS Multi-Residue Analysis			
Lindane (gamma-hexachlorocyclohexane)	<0.6 mg/kg		Pass
Malathion and malaoxon (sum of)	<1 mg/kg		Pass
Mecarbam	<0.05 mg/kg		Pass
Methacriphos	<0.05 mg/kg		Pass
Methamidophos	<0.05 mg/kg		Pass
Methidathion	<0.2 mg/kg		Pass
Methoxychlor	<0.05 mg/kg		Pass
Mirex	<0.01 mg/kg		Pass
Monocrotophos	<0.1 mg/kg		Pass
Parathion-ethyl and paraoxon-ethyl (sum of)	<0.5 mg/kg		Pass
Parathion-methyl and paraoxon-methyl (sum of)	<0.2 mg/kg		Pass
Pendimethalin	<0.1 mg/kg		Pass
Pentachloranisol	<0.01 mg/kg		Pass
Permethrin (sum of isomers)	<1 mg/kg		Pass
Phosalone	<0.1 mg/kg		Pass
Phosmet	<0.05 mg/kg		Pass
Piperonyl butoxide	<3 mg/kg		Pass
Pirimiphos-ethyl	<0.05 mg/kg		Pass
Pirimiphos-methyl (sum of pirimiphos-methyl and N-desethyl-pirimiphos-methyl)	<4 mg/kg		Pass
Procymidone	<0.1 mg/kg		Pass
Profenophos	<0.1 mg/kg		Pass
Prothiophos	<0.05 mg/kg		Pass
Pyrethrum (sum of cinerin I, cinerin II, jasmolin I, jasmolin II, pyrethrin I, and pyrethrin II)	<3 mg/kg		Pass

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Analysis	Result	Specifications	Pass/Fail
GC-MS/MS and LC-MS/MS Multi-Residue Analysis			
Quinalphos	<0.05 mg/kg		Pass
Quintozene (sum of quintozene, pentachloroaniline and methyl pentachlorophenyl sulfide)	<1 mg/kg		Pass
S-421	<0.02 mg/kg		Pass
Tecnazene	<0.05 mg/kg		Pass
Tetradifon	<0.3 mg/kg		Pass
Vinclozolin	<0.4 mg/kg		Pass

Non-Testable Claims *

Comments and Conclusions

Eurofins may be unable to meet the minimum test requirement as certain ingredients in this product have no scientifically valid methods available. Per Amazon policy, some of the ingredients are exempt from quantitative analysis.

Photo *

Packaging - Front

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Analysis	Result	Specifications	Pass/Fail
Photo *			



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Analysis	Result	Specifications	Pass/Fail
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Photo *

Packaging - Back



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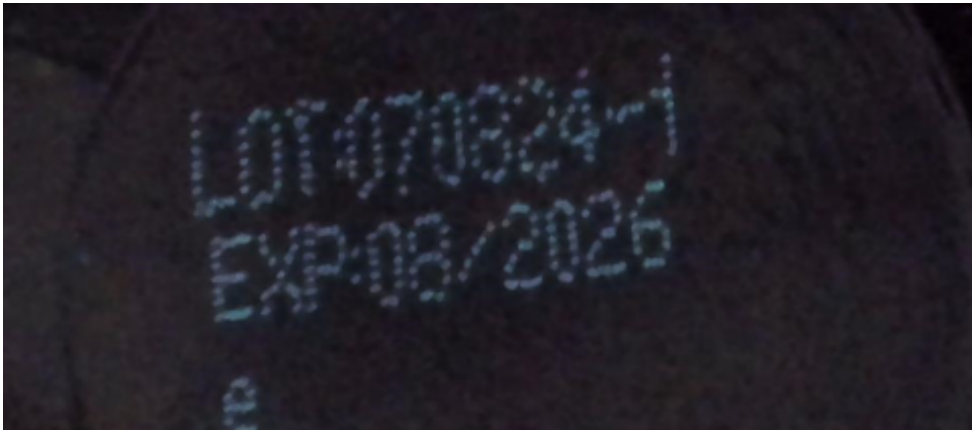
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Analysis	Result	Specifications	Pass/Fail
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Photo *

Packaging - Lot



Packaging - Facts

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Analysis	Result	Specifications	Pass/Fail
Photo *			



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Method References

Testing Location

Aerobic Plate Count (USPC2021)

Eurofins Micro Lab - Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

USP Current revision, Chapter 2021.

To satisfy the requirements of the USP, the Preparatory Test must be completed on each matrix.

**Based on the results of the preparatory test, the detection limit stipulated is adequate for the enumeration of the specified microorganisms.

Density by Gravimetric Analysis (SPGP_S)

Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

NIST Handbook 133 - Checking the Net Contents of Packaged Goods, 2015 Edition (Modified)

E. coli (USPE2022)

Eurofins Micro Lab - Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

USP Current revision, Chapter 2022.

To satisfy the requirements of the USP, the Preparatory Test must be completed on each matrix.

**Based on the results of the preparatory test, conditions stipulated are adequate for detecting the presence of the specified microorganism.

Elements by ICP Mass Spectrometry (ICP_MS_S)

Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Official Methods of Analysis, Methods 2011.19 and 993.14, and 2015.01, AOAC INTERNATIONAL, (Modified).

Enterobacteriaceae (Bile-Tolerant Gram-Negative Bacteria) (USPN2021)

Eurofins Micro Lab - Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

USP Current revision, Chapter 2021.

To satisfy the requirements of the USP, the Preparatory Test must be completed on each matrix.

**Based on the results of the preparatory test, the detection limit stipulated is adequate for the enumeration of the specified microorganisms.

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Method References

Testing Location

GC-MS/MS and LC-MS/MS Multi-Residue Analysis (PS01_S)

Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Official Methods of Analysis, AOAC Official Method 2007.01, Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate, AOAC INTERNATIONAL (modified).

CEN Standard Method EN 15662: Food of plant origin - Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction/partitioning and clean-up by dispersive SPE - QuEChERS method.

Please contact us if you want a complete listing of all compounds determined during testing.

Non-Testable Claims (AMZN_COMMT)

Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Photo (VIS_PHOTO)

Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Preparatory Testing of Nutritional and Dietary Supplements (USPA_PT)

Eurofins Micro Lab - Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Preparatory Testing of Nutritional and Dietary Supplements (USPC_PT)

Eurofins Micro Lab - Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Preparatory Testing of Nutritional and Dietary Supplements (USPE_PT)

Eurofins Micro Lab - Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Preparatory Testing of Nutritional and Dietary Supplements (USPM_PT)

Eurofins Micro Lab - Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Preparatory Testing of Nutritional and Dietary Supplements (USPN_PT)

Eurofins Micro Lab - Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Preparatory Testing of Nutritional and Dietary Supplements (USPS_PT)

Eurofins Micro Lab - Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Salmonella USP (USPS2022)

Eurofins Micro Lab - Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

USP Current revision, Chapter 2022.

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Method References

Testing Location

Staphylococcus (USPA2022)

Eurofins Micro Lab - Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

USP Current revision, Chapter 2022.

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Targeted Analysis of Weight Management Adulterants for Amazon Products (ADLT2AMZ_S)

Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Internally developed LC-MS/MS method for screening and quantification of weight loss pharmaceutical adulterants in dietary supplements.

Yeast and Mold Count (USPM2021)

Eurofins Micro Lab - Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

USP Current revision, Chapter 2021.

To satisfy the requirements of the USP, the Preparatory Test must be completed on each matrix.

**Based on the results of the preparatory test, the detection limit stipulated is adequate for the enumeration of the specified microorganisms.

Testing Location(s)

Released on Behalf of Eurofins by

Food Integrity Innovation-Madison

Edward Ladwig - President Eurofins Food Chemistry Testing Madison

Eurofins Food Chemistry Testing Madison, Inc.
6304 Ronald Reagan Ave
Madison WI 53704
800-675-8375



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