



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number: 23-011154/D008.R001
Report Date: 10/04/2023
ORELAP#: OR100028
Purchase Order:
Received: 09/20/23 11:41

This is an amended version of report# 23-011154/D008.R000.

Reason: Report includes additional batch testing performed on laboratory order 23-011462/D003.R000.

Customer: Koi CBD, LLC
Product identity: Balance Bar - Sour Apple Ice
Client/Metric ID: .
Laboratory ID: 23-011154-0004
Batch ID: KDSAI-001

Summary

Potency:

Analyte	Result	Limits	Units	Status	
CBD	2.50		%		CBD-Total per Serving Size 275 mg/11ml
Analyte per 11ml	Result	Limits	Units	Status	
CBD per 11ml	275		mg/11ml		THC-Total per Serving Size <LOQ (Reported in milligrams per serving)

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.



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Customer: Koi CBD, LLC
 14631 Best Ave
 Norwalk Tennessee 90650
 United States of America (USA)

Product identity: Balance Bar - Sour Apple Ice

Client/Metric ID: .

Sample Date:

Laboratory ID: 23-011154-0004

Evidence of Cooling: No

Temp: 21.2 °C

Relinquished by: client

Serving Size #1: 11 g

Density: 1.000 g/ml

Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod) ^b	Units %	Batch: 2311171	Analyze: 9/21/23 9:52:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBD	2.50		%	0.0734	
CBD-A	< LOQ		%	0.0734	
CBD-Total	2.50		%	0.138	
CBG	< LOQ		%	0.0734	
CBG-A	< LOQ		%	0.0734	
CBG-Total	< LOQ		%	0.137	
CBN	< LOQ		%	0.0734	
Δ10-THC-9R	< LOQ		%	0.0734	
Δ10-THC-9S	< LOQ		%	0.0734	
Δ10-THC-Total	< LOQ		%	0.147	
Δ8-THC	< LOQ		%	0.0734	
Δ9-THC	< LOQ		%	0.0734	
THC-A	< LOQ		%	0.0734	
THC-Total	< LOQ		%	0.138	
Total Cannabinoids	2.50		%		

Potency per 11ml	Method: J AOAC 2015 V98-6 (mod) ^b	Units mg/se	Batch: 2311171	Analyze: 9/21/23 9:52:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBD per 11ml	275		mg/11ml	8.07	
CBD-A per 11ml	< LOQ		mg/11ml	0.734	
CBD-Total per 11ml	275		mg/11ml	15.2	
CBG per 11ml	< LOQ		mg/11ml	0.734	
CBG-A per 11ml	< LOQ		mg/11ml	0.734	
CBG-Total per 11ml	< LOQ		mg/11ml	1.37	
CBN per 11ml	< LOQ		mg/11ml	0.734	
Δ10-THC-9R per 11ml	< LOQ		mg/11ml	0.734	
Δ10-THC-9S per 11ml	< LOQ		mg/11ml	0.734	
Δ10-THC-Total per 11ml	< LOQ		mg/11ml	1.47	
Δ8-THC per 11ml	< LOQ		mg/11ml	0.734	



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Potency per 11ml					
Method: J AOAC 2015 V98-6 (mod) ^b					
Units mg/se Batch: 2311171 Analyze: 9/21/23 9:52:00 PM					
Analyte	Result	Limits	Units	LOQ	Notes
Δ9-THC per 11ml	< LOQ		mg/11ml	0.734	
THC-A per 11ml	< LOQ		mg/11ml	0.734	
THC-Total per 11ml	< LOQ		mg/11ml	1.38	



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Received: 09/27/23 10:45

Customer: Koi CBD, LLC
 14631 Best Ave
 Norwalk Tennessee 90650
 United States of America (USA)
Product identity: Balance Bar - Sour Apple Ice
Client/Metric ID: .
Sample Date:
Laboratory ID: 23-011462-0004
Evidence of Cooling: No
Temp: 19.8 °C
Relinquished by: client

Sample Results

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aerobic Plate Count	< LOQ		cfu/g	10	2311317	09/30/23 AOAC 990.12 (Petrifilm) ^P		
E.coli	< LOQ		cfu/g	10	2311315	09/30/23 AOAC 991.14 (Petrifilm) ^P		
Total Coliforms	< LOQ		cfu/g	10	2311315	09/30/23 AOAC 991.14 (Petrifilm) ^P		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2311316	09/30/23 AOAC 2014.05 (RAPID) ^P		I
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2311316	09/30/23 AOAC 2014.05 (RAPID) ^P		I
Salmonella spp. by PCR*	Negative		/5g		2311345	09/29/23 AOAC 2020.02 ^P		I



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Solvents		Method: Residual Solvents by GC/MS ^b				Units µg/g	Batch 2311429	Analyze 10/02/23 10:39 AM			
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
1-Butanol	< LOQ		500			1-Pentanol	< LOQ		500		
1,1-Dichloroethane	< LOQ		1.00			1,2-Dichloroethane	< LOQ		1.00		
1,2-Dimethoxyethane	< LOQ		50.0			1,4-Dioxane	< LOQ		100		
2-Butanol	< LOQ		200			2-Ethoxyethanol	< LOQ		30.0		
2-methyl-1-propanol	< LOQ		500			2-Methylbutane (Isopentane)	< LOQ		200		
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ		200		
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane)	< LOQ		200		
2,3-Dimethylbutane	< LOQ		30.0			3-Methyl-(1)-Butanol	< LOQ		500		
3-Methylpentane	< LOQ		30.0			Acetone	< LOQ		200		
Acetonitrile	< LOQ		100			Anisole	< LOQ		500		
Benzene	< LOQ		1.00			Butanes (sum)	< LOQ		400		
Butyl acetate	< LOQ		500			Chloroform	< LOQ		1.00		
Cyclohexane	< LOQ		200			DMSO	< LOQ		500		
Ethanol	< LOQ		200			Ethyl acetate	< LOQ		200		
Ethyl benzene	< LOQ		200			Ethyl ether	< LOQ		200		
Ethyl Formate	< LOQ		500			Ethylene glycol	< LOQ		200		
Ethylene oxide	< LOQ		1.00			Hexanes (sum)	< LOQ		150		
Isobutyl acetate	< LOQ		500			Isopropyl acetate	< LOQ		200		
Isopropylbenzene (Cumene)	< LOQ		30.0			m,p-Xylene	< LOQ		200		
Methanol	< LOQ		200			Methyl-t-butyl ether	< LOQ		500		
Methylacetate	< LOQ		500			Methylene chloride	< LOQ		1.00		
Methylethylketone	< LOQ		500			Methylisobutylketone	< LOQ		500		
Methylpropane (Isobutane)	< LOQ		200			n-Butane	< LOQ		200		
n-Heptane	< LOQ		200			n-Hexane	< LOQ		30.0		
n-Pentane	< LOQ		200			n-Propanol	< LOQ		500		
N,N-dimethylacetamide	< LOQ		200			N,N-dimethylformamide	< LOQ		200		
o-Xylene	< LOQ		200			Pentanes (sum)	< LOQ		600		
Propane	< LOQ		200			Propyl Acetate	< LOQ		500		
Pyridine	< LOQ		50.0			Sulfolane	< LOQ		50.0		
Tetrahydrofuran	< LOQ		100			Toluene	< LOQ		100		
Total Residual Solvents	< LOQ		5,000			Total Xylenes	< LOQ		400		
Total Xylenes and Ethyl benzene	< LOQ		600			Trichloroethylene	< LOQ		1.00		
Triethylamine	< LOQ		500								



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Pesticides											
Method: AOAC 2007.01 & EN 15662 (mod)						Units mg/kg		Batch 2311415		Analyze 10/02/23 07:20 AM	
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin	< LOQ		0.070			Acephate	< LOQ		0.020		
Acequinocyl	< LOQ		0.025			Acetamiprid	< LOQ		0.050		
Aldicarb	< LOQ		0.100			Allethrin	< LOQ		0.100		
Atrazine	< LOQ		0.025			Azadirachtin	< LOQ		0.500		
Azoxystrobin	< LOQ		0.010			Benzovindiflupyr	< LOQ		0.010		
Bifenazate	< LOQ		0.010			Bifenthrin	< LOQ		0.100		
Boscalid	< LOQ		0.010			Buprofezin	< LOQ		0.010		
Captan	< LOQ		0.700			Carbaryl	< LOQ		0.025		
Carbofuran	< LOQ		0.010			Chlorantraniliprole	< LOQ		0.010		
Chlordane (cis+trans)	< LOQ		0.100			Chlorfenapyr	< LOQ		0.100		
Chlorpyrifos	< LOQ		0.010			Clofentezine	< LOQ		0.010		
Clothianidin	< LOQ		0.025			Coumaphos	< LOQ		0.010		
Cyantraniliprole	< LOQ		0.010			Cyfluthrin	< LOQ		0.400		
Cyhalothrin,lambda	< LOQ		0.250			Cypermethrin	< LOQ		0.300		
Cyprodinil	< LOQ		0.010			Daminozide	< LOQ		0.050		
Deltamethrin	< LOQ		0.500			Diazinon	< LOQ		0.010		
Dichlorvos	< LOQ		0.050			Dimethoate	< LOQ		0.010		
Dimethomorph	< LOQ		0.050			Dinotefuran	< LOQ		0.050		
Diuron	< LOQ		0.125			Dodemorph	< LOQ		0.050		
Endosulfan I (alpha)	< LOQ		0.050			Endosulfan II (beta)	< LOQ		0.050		
Endosulfan sulfate	< LOQ		0.050			Ethoprophos	< LOQ		0.010		
Etofenprox	< LOQ		0.010			Etoxazole	< LOQ		0.010		
Etridiazole	< LOQ		0.050			Fenhexamid	< LOQ		0.100		
Fenoxycarb	< LOQ		0.010			Fenpyroximate	< LOQ		0.020		
Fensulfathion	< LOQ		0.010			Fenthion	< LOQ		0.010		
Fenvalerate	< LOQ		0.200			Fipronil	< LOQ		0.010		
Flonicamid	< LOQ		0.025			Fludioxonil	< LOQ		0.010		
Fluopyram	< LOQ		0.010			Hexythiazox	< LOQ		0.010		
Imazalil	< LOQ		0.010			Imidacloprid	< LOQ		0.010		
Iprodione	< LOQ		0.500			Kinoprene	< LOQ		0.050		
Kresoxim-methyl	< LOQ		0.010			Malathion	< LOQ		0.010		
Metalaxyl	< LOQ		0.010			Methiocarb	< LOQ		0.010		
Methomyl	< LOQ		0.025			Methoprene	< LOQ		1.00		
Mevinphos	< LOQ		0.025			MGK-264	< LOQ		0.050		
Myclobutanil	< LOQ		0.010			Naled	< LOQ		0.100		
Novaluron	< LOQ		0.025			Oxamyl	< LOQ		0.500		
Paclobutrazole	< LOQ		0.010			Parathion-Methyl	< LOQ		0.030		
Permethrin	< LOQ		0.040			Phenothrin	< LOQ		0.025		
Phosmet	< LOQ		0.010			Piperonyl butoxide	< LOQ		0.200		
Pirimicarb	< LOQ		0.010			Prallethrin	< LOQ		0.050		
Propiconazole	< LOQ		0.010			Propoxur	< LOQ		0.010		
Pyraclostrobin	< LOQ		0.010			Pyrethrins (total)	< LOQ		0.025		
Pyridaben	< LOQ		0.020			Pyriproxyfen	< LOQ		0.010		
Quintozene	< LOQ		0.020			Resmethrin	< LOQ		0.020		
Spinetoram	< LOQ		0.010			Spinosad	< LOQ		0.010		
Spirodiclofen	< LOQ		0.250			Spiromesifen	< LOQ		0.030		



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Pesticides		Method: AOAC 2007.01 & EN 15662 (mod)				Units mg/kg	Batch 2311415	Analyze 10/02/23 07:20 AM			
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Spirotetramat	< LOQ		0.010			Spiroxamine	< LOQ		0.010		
Tebuconazole	< LOQ		0.010			Tebufenozide	< LOQ		0.010		
Teflubenzuron	< LOQ		0.025			Tetrachlorvinphos	< LOQ		0.010		
Tetramethrin	< LOQ		0.050			Thiabendazole	< LOQ		0.020		
Thiacloprid	< LOQ		0.010			Thiamethoxam	< LOQ		0.010		
Thiophanate-Methyl	< LOQ		0.030			Trifloxystrobin	< LOQ		0.010		

Metals											
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method		Status	Notes		
Arsenic*	< LOQ		mg/kg	0.0956	2311452	10/02/23	AOAC 2013.06 (mod.) ^P				
Cadmium*	< LOQ		mg/kg	0.0956	2311452	10/02/23	AOAC 2013.06 (mod.) ^P				
Lead*	< LOQ		mg/kg	0.0956	2311452	10/02/23	AOAC 2013.06 (mod.) ^P				
Mercury*	< LOQ		mg/kg	0.0478	2311452	10/02/23	AOAC 2013.06 (mod.) ^P				

Mycotoxins											
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method		Status	Notes		
Aflatoxin B2 [‡]	< LOQ		µg/kg	5.00	2311466	10/03/23	AOAC 2007.01 & EN 15662 (mod) ^P				
Aflatoxin B1 [‡]	< LOQ		µg/kg	5.00	2311466	10/03/23	AOAC 2007.01 & EN 15662 (mod) ^P				
Aflatoxin G1 [‡]	< LOQ		µg/kg	5.00	2311466	10/03/23	AOAC 2007.01 & EN 15662 (mod) ^P				
Aflatoxin G2 [‡]	< LOQ		µg/kg	5.00	2311466	10/03/23	AOAC 2007.01 & EN 15662 (mod) ^P				
Deoxynivalenol [‡]	< LOQ		µg/kg	200	2311466	10/03/23	AOAC 2007.01 & EN 15662 (mod) ^P				
Fumonisin B1 [‡]	< LOQ		µg/kg	200	2311466	10/03/23	AOAC 2007.01 & EN 15662 (mod) ^P				
Fumonisin B2 [‡]	< LOQ		µg/kg	200	2311466	10/03/23	AOAC 2007.01 & EN 15662 (mod) ^P				
HT2-Toxin [‡]	< LOQ		µg/kg	40.0	2311466	10/03/23	AOAC 2007.01 & EN 15662 (mod) ^P				
Ochratoxin A [‡]	< LOQ		µg/kg	5.00	2311466	10/03/23	AOAC 2007.01 & EN 15662 (mod) ^P				
Ochratoxin B [‡]	< LOQ		µg/kg	2.00	2311466	10/03/23	AOAC 2007.01 & EN 15662 (mod) ^P				
T2-Toxin [‡]	< LOQ		µg/kg	20.0	2311466	10/03/23	AOAC 2007.01 & EN 15662 (mod) ^P				
Zearalenone [‡]	< LOQ		µg/kg	200	2311466	10/03/23	AOAC 2007.01 & EN 15662 (mod) ^P				



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Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220, CCR title 16-division 42. BCC-section 5723

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

^p = ISO/IEC 17025:2017 accredited method.

Units of Measure

g = g
g/ml = Gram per milliliter
mg/11ml = Milligram per 11ml
% = Percentage of sample
% wt = $\mu\text{g/g}$ divided by 10,000

Approved Signatory

Derrick Tanner
General Manager