



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



**Report Number:** 22-015363/D013.R000  
**Report Date:** 12/29/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 12/15/22 11:03

**Customer:** TribeTokes  
**Product identity:** Hawaiian Dream CBD  
**Project Number:** HCD120622  
**Client/Metric ID:** .  
**Laboratory ID:** 22-015363-0008

### Summary

**Potency:**

Analyte	Result (%)	<ul style="list-style-type: none"> <li>● CBD</li> <li>● CBG</li> <li>● 9-THC</li> <li>● CBN</li> </ul>		
CBD	52.1		CBD-Total	52.1%
CBG	11.3			
Δ9-THC	0.158		THC-Total	0.158%
CBN	0.157		(Reported in percent of total sample)	

**Residual Solvents:**

*All analytes passing and less than LOQ.*

**Pesticides:**

*All analytes passing and less than LOQ.*

**Metals:**

*Less than LOQ for all analytes.*



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**Customer:** TribeTokes  
3505 Cadillac Ave Building E  
Costa Mesa 92626  
United States of America (USA)

**Product identity:** Hawaiian Dream CBD

**Project Number:** HCD120622

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 22-015363-0008

**Evidence of Cooling:** No

**Temp:** 10.6

**Relinquished by:** ups

### Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod) <sup>b</sup>			Units %	Batch: 2210858	Analyze: 12/22/22 6:18:00 AM
Analyte	As Received	Dry weight	LOQ	Notes		<ul style="list-style-type: none"> <li><span style="color: red;">●</span> CBD</li> <li><span style="color: blue;">●</span> CBG</li> <li><span style="color: green;">●</span> 9-THC</li> <li><span style="color: yellow;">●</span> CBN</li> </ul>
CBD	52.1		0.727			
CBD-A	< LOQ		0.0727			
CBD-Total	52.1		0.791			
CBG	11.3		0.0727			
CBG-A	< LOQ		0.0727			
CBG-Total	11.3		0.136			
CBN	0.157		0.0727			
Δ10-THC	< LOQ		0.0727			
Δ8-THC	< LOQ		0.0727			
Δ9-THC	0.158		0.0727			
THC-A	< LOQ		0.0727			
THC-Total	0.158		0.137			
<b>Total Cannabinoids</b>	63.7					

Solvents		Method: Residual Solvents by GC/MS <sup>b</sup>				Units μg/g	Batch 2210793	Analyze 12/20/22 01:40 PM			
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
1,2-Dichloroethane	< LOQ	1.00	1.00	pass		2-Propanol (IPA)	< LOQ	5000	200	pass	
Acetone	< LOQ	5000	200	pass		Acetonitrile	< LOQ	410	100	pass	
Benzene	< LOQ	1.00	1.00	pass		Chloroform	< LOQ	1.00	1.00	pass	
Ethyl acetate	< LOQ	5000	200	pass		Ethyl ether	< LOQ	5000	200	pass	
Ethylene oxide	< LOQ	1.00	1.00	pass		m,p-Xylene	< LOQ		200		
Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	1.00	1.00	pass	
n-Butane	< LOQ	5000	200	pass		n-Heptane	< LOQ	5000	200	pass	
n-Hexane	< LOQ	290	30.0	pass		n-Pentane	< LOQ	5000	200	pass	
o-Xylene	< LOQ		200			Propane	< LOQ	5000	200	pass	
Toluene	< LOQ	890	100	pass		Total Xylenes	< LOQ	2170	400	pass	
Trichloroethylene	< LOQ	1.00	1.00	pass							



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Pesticides											
Method: AOAC 2007.01 & EN 15662 (mod)						Units	Batch	Analyze 01/01/70 12:00 AM			
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin	pending	0.100	0.100	pass		Acephate	pending	0.100	0.100	pass	
Acequinocyl	pending	0.100	0.100	pass		Acetamiprid	pending	0.100	0.100	pass	
Aldicarb	pending	0.100	0.100	pass		Azoxystrobin	pending	0.100	0.100	pass	
Bifenazate	pending	0.100	0.100	pass		Bifenthrin	pending	3.00	3.00	pass	
Boscalid	pending	0.100	0.100	pass		Captan	pending	0.700	0.700	pass	
Carbaryl	pending	0.500	0.500	pass		Carbofuran	pending	0.100	0.100	pass	
Chlorantraniliprole	pending	10.0	3.00	pass		Chlordane	pending	0.1	0.100	pass	
Chlorfenapyr	pending	0.100	0.100	pass		Chlorpyrifos	pending	0.100	0.100	pass	
Clofentezine	pending	0.100	0.100	pass		Coumaphos	pending	0.100	0.100	pass	
Cyfluthrin	pending	2.00	2.00	pass		Cypermethrin	pending	1.00	1.00	pass	
Daminozide	pending	0.100	0.100	pass		Diazinon	pending	0.100	0.100	pass	
Dichlorvos	pending	0.100	0.100	pass		Dimethoate	pending	0.100	0.100	pass	
Dimethomorph	pending	2.00	2.00	pass		Ethoprophos	pending	0.100	0.100	pass	
Etofenprox	pending	0.100	0.100	pass		Etoxazole	pending	0.100	0.100	pass	
Fenhexamid	pending	0.100	0.100	pass		Fenoxycarb	pending	0.100	0.100	pass	
Fenpyroximate	pending	0.100	0.100	pass		Fipronil	pending	0.100	0.100	pass	
Flonicamid	pending	0.100	0.100	pass		Fludioxonil	pending	0.100	0.100	pass	
Hexythiazox	pending	0.100	0.100	pass		Imazalil	pending	0.100	0.100	pass	
Imidacloprid	pending	5.00	3.00	pass		Kresoxim-methyl	pending	0.100	0.100	pass	
Malathion	pending	0.500	0.500	pass		Metalaxyl	pending	2.00	2.00	pass	
Methiocarb	pending	0.100	0.100	pass		Methomyl	pending	1.00	1.00	pass	
Mevinphos	pending	0.100	0.100	pass		Myclobutanil	pending	0.100	0.100	pass	
Naled	pending	0.100	0.100	pass		Oxamyl	pending	0.500	0.500	pass	
Paclbutrazole	pending	0.100	0.100	pass		Parathion-Methyl	pending	0.100	0.100	pass	
Permethrin	pending	0.500	0.500	pass		Phosmet	pending	0.100	0.100	pass	
Piperonyl butoxide	pending	3.00	3.00	pass		Prallethrin	pending	0.100	0.100	pass	
Propiconazole	pending	0.100	0.100	pass		Propoxur	pending	0.100	0.100	pass	
Pyrethrins (total)	pending	0.500	0.500	pass		Pyridaben	pending	0.100	0.100	pass	
Quintozene	pending	0.100	0.100	pass		Spinetoram	pending	0.100	0.100	pass	
Spinosad	pending	0.100	0.100	pass		Spiromesifen	pending	0.100	0.100	pass	
Spirotetramat	pending	0.100	0.100	pass		Spiroxamine	pending	0.100	0.100	pass	
Tebuconazole	pending	0.100	0.100	pass		Thiacloprid	pending	0.100	0.100	pass	
Thiamethoxam	pending	5.00	3.00	pass		Trifloxystrobin	pending	0.100	0.100	pass	

Metals										
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes	
Arsenic	< LOQ	0.20	mg/kg	0.0749	2210759	12/19/22	AOAC 2013.06 (mod.) <sup>p</sup>	pass		
Cadmium	< LOQ	0.20	mg/kg	0.0749	2210759	12/19/22	AOAC 2013.06 (mod.) <sup>p</sup>	pass		
Lead	< LOQ	0.50	mg/kg	0.0749	2210759	12/19/22	AOAC 2013.06 (mod.) <sup>p</sup>	pass		
Mercury	< LOQ	0.10	mg/kg	0.0374	2210759	12/19/22	AOAC 2013.06 (mod.) <sup>p</sup>	pass		



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**Mycotoxins**

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aflatoxin B2 <sup>‡</sup>	< LOQ		µg/kg	5.00	2210801	12/20/22 AOAC 2007.01 & EN 15662 (mod) <sup>‡</sup>		
Aflatoxin B1 <sup>‡</sup>	< LOQ		µg/kg	5.00	2210801	12/20/22 AOAC 2007.01 & EN 15662 (mod) <sup>‡</sup>		
Aflatoxin G1 <sup>‡</sup>	< LOQ		µg/kg	5.00	2210801	12/20/22 AOAC 2007.01 & EN 15662 (mod) <sup>‡</sup>		
Aflatoxin G2 <sup>‡</sup>	< LOQ		µg/kg	5.00	2210801	12/20/22 AOAC 2007.01 & EN 15662 (mod) <sup>‡</sup>		
Ochratoxin A <sup>‡</sup>	< LOQ		µg/kg	5.00	2210801	12/20/22 AOAC 2007.01 & EN 15662 (mod) <sup>‡</sup>		
Total Aflatoxins <sup>‡</sup>	0.000		µg/kg	20.0		12/22/22 AOAC 2007.01 & EN 15662 (mod) <sup>‡</sup>		



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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.

Ⓟ = ISO/IEC 17025:2017 accredited method.

Ⓜ = TNI accredited analyte.

**Units of Measure**

µg/g = Microgram per gram

µg/kg = Micrograms per kilogram = parts per billion (ppb)

mg/kg = Milligram per kilogram = parts per million (ppm)

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner  
General Manager



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Hemp & Cannabis: Usable / Extract / Finished Product  
Chain of Custody Rec

ORELAP ID: OR100028 ANAB ISO 17025 II

TRIBALTOKES 22-015363

Document Control ID: 2832 Revision: 5  
Effective: 01/04/2022



Company: Tribal Tokes  
Contact: Paisley Byrnes  
Address: 3505 Cadillac Ave Building E  
City: Costa Mesa State: CA Zip Code: 92626  
Email Results: team@purehawaiianheart.com  
Ph: (949) - 463-7643  
Billing Contact (if different)  
Name: DNG LLC Email: team@purehawaiianheart.com  
Address: 24040 Camino Del Avion #202  
City: Dana Point State: CA Zip: 92629  
Ph: (949) - 463-7643

Analysis Re	Pesticides - Cali	Mycotoxins	Metals	Potency	Residual Solvents - Cali
	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓

Number: \_\_\_\_\_  
ID: HHC/CBD/D8 Testing  
ID: HCD120622  
Sampled by: Colin Byrnes-Smith  
Custom Reporting:  
Source Material:  - Ind. Hemp product |  - Rec. Cannabis  
Reporting Type:  - Compliance |  - R&D  
Report to:  - METRC |  - ODA |  - USDA |  
 - Other:  
Turnaround time (TAT - Business Days):  
 - 5BD |  - 3BD\* |  - 2BD\*  
\*Check for availability

Lab ID	Client Sample Identification	Sample date	Material Type †	Weight (Units)	Comments/Metric ID
	Mango HZ HHC	12/01/22	C	10g	
	Granddaddy Purp HHC	12/01/22	C	10g	
	Gelato HHC	12/01/22	C	10g	
	Granddaddy Purp D8	12/01/22	C	10g	
	Pineapple D8	12/01/22	C	10g	
	Green Crack D8	12/01/22	C	10g	
	Juicy Fruit CBD	12/01/22	C	10g	
	Hawaiian Dream CBD	12/01/22	C	10g	
	Granddaddy Purp CBD	12/01/22	C	10g	

Signature - Relinquished By:	Date	Time	Signature - Received By:	Date	Time	Lab Use Only:
<i>Paisley Byrnes</i>	12/1	8:48 AM	<i>MRS</i>	12/15	11:03	Shipped Via: <u>UPS</u> or <input type="checkbox"/> Client drop off Evidence of cooling: <input type="checkbox"/> Yes   <input checked="" type="checkbox"/> No - Temp (°C): <u>10.6</u> Sample in good condition: <input checked="" type="checkbox"/> Yes   <input type="checkbox"/> No Payment: <input type="checkbox"/> Cash   <input type="checkbox"/> Check   <input type="checkbox"/> CC   <input type="checkbox"/> Net: Prelog storage:

† - Material Type Codes: Plant Material (P) ; Isolate (I) ; Concentrate/Extract (C) ; Tincture/Topical (T) ; Edible (E) ; Beverage (B) ; Vapor Product (V)  
 Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the current terms of service associated with this COC. By signing "Relinquished by" you are agreeing to these terms  
 12423 NE Whitaker Way Portland, OR 97230 P: (503) 254-1794 | Fax: (503) 254-1452 info@columbiaboratories.com Page 1 of 1 www.columbiaboratories.com



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Revision: 2 Document ID: 7087  
 Legacy ID: CFL-E33Effective:

Laboratory Quality Control Results

Residual Solvents				Batch ID: 2210793					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		381	572	µg/g	66.6	60 - 120	
Isobutane	ND	< 200		456	731	µg/g	62.4	60 - 120	
Butane	ND	< 200		475	731	µg/g	65.0	60 - 120	
2,2-Dimethylpropane	ND	< 200		683	936	µg/g	73.0	60 - 120	
Methanol	ND	< 200		1130	1620	µg/g	69.8	60 - 120	
Ethylene Oxide	ND	< 30		37.9	56.2	µg/g	67.4	60 - 120	
2-Methylbutane	ND	< 200		1130	1610	µg/g	70.2	60 - 120	
Pentane	ND	< 200		1120	1600	µg/g	70.0	60 - 120	
Ethanol	ND	< 200		1120	1610	µg/g	69.6	70 - 130	
Ethyl Ether	ND	< 200		1100	1630	µg/g	67.5	60 - 120	
2,2-Dimethylbutane	ND	< 30		121	171	µg/g	70.8	60 - 120	
Acetone	ND	< 200		1120	1630	µg/g	68.7	60 - 120	
2-Propanol	ND	< 200		1140	1620	µg/g	70.4	60 - 120	
Acetonitrile	ND	< 100		328	498	µg/g	65.9	60 - 120	
2,3-Dimethylbutane	ND	< 30		116	171	µg/g	67.8	60 - 120	
Dichloromethane	ND	< 60		349	483	µg/g	72.3	60 - 120	
2-Methylpentane	ND	< 30		117	168	µg/g	69.6	60 - 120	
3-Methylpentane	ND	< 30		104	167	µg/g	62.3	60 - 120	
Hexane	ND	< 30		146	182	µg/g	80.2	60 - 120	
Ethyl acetate	ND	< 200		1110	1610	µg/g	68.9	60 - 120	
2-Butanol	ND	< 200		1110	1600	µg/g	69.4	60 - 120	
Tetrahydrofuran	ND	< 100		310	483	µg/g	64.2	60 - 120	
Cyclohexane	ND	< 200		1130	1610	µg/g	70.2	60 - 120	
Benzene	ND	< 1		3.87	5.02	µg/g	77.1	60 - 120	
Isopropyl Acetate	ND	< 200		1140	1620	µg/g	70.4	60 - 120	
Heptane	ND	< 200		1110	1610	µg/g	68.9	60 - 120	
1,4-Dioxane	ND	< 100		304	491	µg/g	61.9	60 - 120	
2-Ethoxyethanol	ND	< 30		120	181	µg/g	66.3	60 - 120	
Ethylene Glycol	ND	< 200		218	484	µg/g	45.0	60 - 120	Q6
Toluene	ND	< 100		325	485	µg/g	67.0	60 - 120	
Ethylbenzene	ND	< 200		635	969	µg/g	65.5	60 - 120	
m,p-Xylene	ND	< 200		633	994	µg/g	63.7	60 - 120	
o-Xylene	ND	< 200		625	967	µg/g	64.6	60 - 120	
Cumene	ND	< 30		113	171	µg/g	66.1	60 - 120	
1,2-Dichloroethane	ND	< 1		0.964	1	µg/g	96.4	70 - 130	
Chloroform	ND	< 1		0.958	1	µg/g	95.8	70 - 130	
Trichloroethylene	ND	< 1		0.937	1	µg/g	93.7	70 - 130	
1,1-Dichloroethane	ND	< 1		0.971	1	µg/g	97.1	70 - 130	



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Revision: 2 Document ID: 7087  
Legacy ID: CFL-E33Effective:

QC - Sample Duplicate			Sample ID: 22-015297-0003					
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Accept/Fail	Notes
Propane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Isobutane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Butane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2,2-Dimethylpropane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Methanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethylene Oxide	ND	ND	30	µg/g	0.0	< 20	Acceptable	
2-Methylbutane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Pentane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethyl Ether	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2,2-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Acetone	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Propanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Acetonitrile	ND	ND	100	µg/g	0.0	< 20	Acceptable	
2,3-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Dichloromethane	ND	ND	60	µg/g	0.0	< 20	Acceptable	
2-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
3-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Hexane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Ethyl acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Butanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Tetrahydrofuran	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Cyclohexane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Benzene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Isopropyl Acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Heptane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
1,4-Dioxane	ND	ND	100	µg/g	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Ethylene Glycol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Toluene	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Ethylbenzene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
m,p-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
o-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Cumene	ND	ND	30	µg/g	0.0	< 20	Acceptable	
1,2-Dichloroethane	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Chloroform	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Trichloroethylene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
1,1-Dichloroethane	ND	ND	1	µg/g	0.0	< 20	Acceptable	

**Abbreviations**

ND - None Detected at or above MRL  
RPD - Relative Percent Difference  
LOQ - Limit of Quantitation  
Q6 - Quality control outside QC limits. Data acceptable based on remaining QC.

**Units of Measure:**

µg/g - Microgram per gram or ppm





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Revision: 1 Document ID: 7148  
 Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 2210858

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	2	0.0974	0.101	%	96.4	80.0	- 120	Acceptable	
CBDV	2	0.107	0.110	%	97.6	80.0	- 120	Acceptable	
CBE	2	0.0996	0.106	%	93.5	80.0	- 120	Acceptable	
CBDA	1	0.104	0.096	%	108	90.0	- 110	Acceptable	
CBGA	1	0.104	0.097	%	107	80.0	- 120	Acceptable	
CBG	1	0.105	0.095	%	110	80.0	- 120	Acceptable	
CBD	1	0.101	0.096	%	106	90.0	- 110	Acceptable	
THCV	2	0.102	0.105	%	96.9	80.0	- 120	Acceptable	
d8THCV	2	0.101	0.107	%	94.7	80.0	- 120	Acceptable	
THCVA	2	0.0941	0.099	%	95.3	80.0	- 120	Acceptable	
CBN	1	0.108	0.099	%	109	80.0	- 120	Acceptable	
exo-THC	2	0.0976	0.103	%	95.1	80.0	- 120	Acceptable	
d9THC	1	0.110	0.102	%	108	90.0	- 110	Acceptable	
d8THC	1	0.0996	0.100	%	99.5	90.0	- 110	Acceptable	
CBL	2	0.101	0.100	%	101	80.0	- 120	Acceptable	
d10THC	1	NA	0.092	%	NA	80.0	- 120	Acceptable	Q6
CBC	2	0.103	0.109	%	94.7	80.0	- 120	Acceptable	
THCA	1	0.102	0.096	%	107	90.0	- 110	Acceptable	
CBCA	2	0.0947	0.103	%	91.9	80.0	- 120	Acceptable	
CBLA	2	0.100	0.105	%	95.8	80.0	- 120	Acceptable	
CBT	2	0.102	0.109	%	93.2	80.0	- 120	Acceptable	

Method Blank						
Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBDV	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBE	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBDA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBGA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBG	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBD	<LOQ	0.0077	%	< 0.0077	Acceptable	
THCV	<LOQ	0.0077	%	< 0.0077	Acceptable	
d8THCV	<LOQ	0.0077	%	< 0.0077	Acceptable	
THCVA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBN	<LOQ	0.0077	%	< 0.0077	Acceptable	
exo-THC	<LOQ	0.0077	%	< 0.0077	Acceptable	
d9THC	<LOQ	0.0077	%	< 0.0077	Acceptable	
d8THC	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBL	<LOQ	0.0077	%	< 0.0077	Acceptable	
d10THC	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBC	<LOQ	0.0077	%	< 0.0077	Acceptable	
THCA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBCA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBLA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBT	<LOQ	0.0077	%	< 0.0077	Acceptable	

Abbreviations

- ND - None Detected at or above MRL
- RPD - Relative Percent Difference
- LOQ - Limit of Quantitation
- Q6 - Quality control outside QC limits. Data acceptable based on remaining QC.

Units of Measure:

% - Percent



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



**Report Number:** 22-015363/D013.R000  
**Report Date:** 12/29/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 12/15/22 11:03

Revision: 1 Document ID: 7148  
 Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6		Batch ID: 2210858						
Sample Duplicate		Sample ID: 22-015363-0008						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	0.474	0.466	0.077	%	1.75	< 20	Acceptable	
CBDV	2.50	2.45	0.077	%	1.99	< 20	Acceptable	
CBE	8.69	8.54	0.077	%	1.72	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBG	11.5	11.3	0.077	%	1.60	< 20	Acceptable	
CBD	52.4	52.1	0.077	%	0.539	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBN	0.159	0.157	0.077	%	1.62	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d9THC	0.164	0.158	0.077	%	3.93	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d10THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBC	0.0631	0.0621	0.077	%	1.73	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	

**Abbreviations**

ND - None Detected at or above MRL  
 RPD - Relative Percent Difference  
 LOQ - Limit of Quantitation

**Units of Measure:**



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Explanation of QC Flag Comments:

Code	Explanation
Q	Matrix interferences affecting spike or surrogate recoveries.
Q1	Quality control result biased high. Only non-detect samples reported.
Q2	Quality control outside QC limits. Data considered estimate.
Q3	Sample concentration greater than four times the amount spiked.
Q4	Non-homogenous sample matrix, affecting RPD result and/or % recoveries.
Q5	Spike results above calibration curve.
Q6	Quality control outside QC limits. Data acceptable based on remaining QC.
R	Relative percent difference (RPD) outside control limit.
R1	RPD non-calculable, as sample or duplicate results are less than five times the LOQ.
R2	Sample replicates RPD non-calculable, as only one replicate is within the analytical range.
LOQ1	Quantitation level raised due to low sample volume and/or dilution.
LOQ2	Quantitation level raised due to matrix interference.
B	Analyte detected in method blank, but not in associated samples.
B1	The sample concentration is greater than 5 times the blank concentration.
B2	The sample concentration is less than 5 times the blank concentration.