



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



Report Number: 22-015363/D012.R001
Report Date: 01/06/2023
ORELAP#: OR100028
Purchase Order:
Received: 12/15/22 11:03

This is an amended version of report# 22-015363/D012.R000.

Reason: Updated report format.

Customer: TribeTokes
Product identity: Granddaddy Purp CBD
Project Number: HCD120622
Client/Metric ID: .
Laboratory ID: 22-015363-0009

Summary

Potency:

Analyte	Result (%)	● CBD ● CBG ● Δ8-THC ● CBN		
CBD	48.1		CBD-Total	48.1%
CBG	10.9			
Δ8-THC	2.23		THC-Total	<LOQ
CBN	0.152		(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: Granddaddy Purp CBD

Project Number: HCD120622

Client/Metric ID: .

Sample Date:

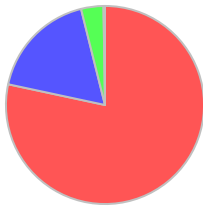
Laboratory ID: 22-015363-0009

Evidence of Cooling: No

Temp: 10.6

Relinquished by: ups

Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod) ^b			Units %	Batch: 2210858	Analyze: 12/22/22 6:33:00 AM
Analyte	As Received	Dry weight	LOQ	Notes		
CBD	48.1		0.673			
CBD-A	< LOQ		0.0673			
CBD-Total	48.1		0.732			
CBG	10.9		0.0673			
CBG-A	< LOQ		0.0673			
CBG-Total	10.9		0.126			
CBN	0.152		0.0673			
Δ10-THC	< LOQ		0.0673			
Δ8-THC	2.23		0.0673			
Δ9-THC	< LOQ		0.0673			
THC-A	< LOQ		0.0673			
THC-Total	< LOQ		0.126			
Total Cannabinoids	61.4					

Solvents	Method: Residual Solvents by GC/MS ^b					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 mg/kg		Batch 2210903		Analyze 01/06/23 03:52 PM
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status
Abamectin	< LOQ	0.100	0.100	pass		Acephate	< LOQ	0.100	0.100	pass
Acequinocyl	< LOQ	0.100	0.100	pass		Acetamiprid	< LOQ	0.100	0.100	pass
Aldicarb	< LOQ	0.100	0.100	pass		Azoxystrobin	< LOQ	0.100	0.100	pass
Bifenazate	< LOQ	0.100	0.100	pass		Bifenthrin	< LOQ	3.00	3.00	pass
Boscalid	< LOQ	0.100	0.100	pass		Captan	< LOQ	0.700	0.700	pass
Carbaryl	< LOQ	0.500	0.500	pass		Carbofuran	< LOQ	0.100	0.100	pass
Chlorantraniliprole	< LOQ	10.0	3.00	pass		Chlordane	< LOQ	0.1	0.100	pass
Chlorfenapyr	< LOQ	0.100	0.100	pass		Chlorpyrifos	< LOQ	0.100	0.100	pass
Clofentezine	< LOQ	0.100	0.100	pass		Coumaphos	< LOQ	0.100	0.100	pass
Cyfluthrin	< LOQ	2.00	2.00	pass		Cypermethrin	< LOQ	1.00	1.00	pass
Daminozide	< LOQ	0.100	0.100	pass		Diazinon	< LOQ	0.100	0.100	pass
Dichlorvos	< LOQ	0.100	0.100	pass		Dimethoate	< LOQ	0.100	0.100	pass
Dimethomorph	< LOQ	2.00	2.00	pass		Ethoprophos	< LOQ	0.100	0.100	pass
Etofenprox	< LOQ	0.100	0.100	pass		Etoxazole	< LOQ	0.100	0.100	pass
Fenhexamid	< LOQ	0.100	0.100	pass		Fenoxycarb	< LOQ	0.100	0.100	pass
Fenpyroximate	< LOQ	0.100	0.100	pass		Fipronil	< LOQ	0.100	0.100	pass
Flonicamid	< LOQ	0.100	0.100	pass		Fludioxonil	< LOQ	0.100	0.100	pass
Hexythiazox	< LOQ	0.100	0.100	pass		Imazalil	< LOQ	0.100	0.100	pass
Imidacloprid	< LOQ	5.00	3.00	pass		Kresoxim-methyl	< LOQ	0.100	0.100	pass
Malathion	< LOQ	0.500	0.500	pass		Metalaxyl	< LOQ	2.00	2.00	pass
Methiocarb	< LOQ	0.100	0.100	pass		Methomyl	< LOQ	1.00	1.00	pass
Mevinphos	< LOQ	0.100	0.100	pass		Myclobutanil	< LOQ	0.100	0.100	pass
Naled	< LOQ	0.100	0.100	pass		Oxamyl	< LOQ	0.500	0.500	pass
Paclobutrazole	< LOQ	0.100	0.100	pass		Parathion-Methyl	< LOQ	0.100	0.100	pass
Permethrin	< LOQ	0.500	0.500	pass		Phosmet	< LOQ	0.100	0.100	pass
Piperonyl butoxide	< LOQ	3.00	3.00	pass		Prallethrin	< LOQ	0.100	0.100	pass
Propiconazole	< LOQ	0.100	0.100	pass		Propoxur	< LOQ	0.100	0.100	pass
Pyrethrins (total)	< LOQ	0.500	0.500	pass		Pyridaben	< LOQ	0.100	0.100	pass
Quintozene	< LOQ	0.100	0.100	pass		Spinetoram	< LOQ	0.100	0.100	pass
Spinosad	< LOQ	0.100	0.100	pass		Spiromesifen	< LOQ	0.100	0.100	pass
Spirotetramat	< LOQ	0.100	0.100	pass		Spiroxamine	< LOQ	0.100	0.100	pass
Tebuconazole	< LOQ	0.100	0.100	pass		Thiacloprid	< LOQ	0.100	0.100	pass
Thiamethoxam	< LOQ	5.00	3.00	pass		Trifloxystrobin	< LOQ	0.100	0.100	pass

Metals										
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method		Status	Notes	
Arsenic	< LOQ	0.20	mg/kg	0.0952	2210759	12/19/22	AOAC 2013.06 (mod.) ^b	pass		
Cadmium	< LOQ	0.20	mg/kg	0.0952	2210759	12/19/22	AOAC 2013.06 (mod.) ^b	pass		
Lead	< LOQ	0.50	mg/kg	0.0952	2210759	12/19/22	AOAC 2013.06 (mod.) ^b	pass		
Mercury	< LOQ	0.10	mg/kg	0.0476	2210759	12/19/22	AOAC 2013.06 (mod.) ^b	pass		



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Mycotoxins

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



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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

Tribal Tokes

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	Pesticides	Mycotoxins	Metals	Potency	Residual Solvents	Material Type	Weight (Units)	Comments/Metrc 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:			Signature - Received By:			Lab Use Only:				
Paisley Byrnes			MRS			Shipped Via: <u>UPS</u> or ☐ Client drop off				
12/1			8:48 AM			Evidence of cooling: ☐ Yes ☒ No - Temp (°C): <u>10.6</u>				
						Sample in good condition: ☒ Yes ☐ No				
						Payment: ☐ Cash ☐ Check ☐ CC ☐ 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

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Report Number: 22-015363/D012.R001
Report Date: 01/06/2023
ORELAP#: OR100028
Purchase Order:
Received: 12/15/22 11:03

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	% Re:	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		0.954	1	µg/g	95.4	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

JAOAC2015 V986 Batch ID: 2210858

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes	
CBDA	2	0.0974	0.101	%	96.4	80.0 - 120	Acceptable		
CBV	2	0.107	0.110	%	97.6	80.0 - 120	Acceptable		
CBE	2	0.0996	0.106	%	93.5	80.0 - 120	Acceptable		
CBA	1	0.104	0.096	%	108	90.0 - 110	Acceptable		
CBSA	1	0.104	0.097	%	107	80.0 - 120	Acceptable		
CBS	1	0.105	0.095	%	110	80.0 - 120	Acceptable		
CB	1	0.101	0.096	%	106	90.0 - 110	Acceptable		
THCV	2	0.102	0.105	%	96.9	80.0 - 120	Acceptable		
dBTHCV	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		
dBTHC	1	0.110	0.102	%	108	90.0 - 110	Acceptable		
CB	1	0.0996	0.100	%	99.5	90.0 - 110	Acceptable		
CB	2	0.101	0.100	%	101	80.0 - 120	Acceptable		
dBTHC	1	NA	0.092	%	NA	80.0 - 120	Acceptable	Q6	
CB	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		
CB	2	0.102	0.109	%	93.2	80.0 - 120	Acceptable		

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBV	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBE	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBSA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBS	<LOQ	0.0077	%	< 0.0077	Acceptable	
CB	<LOQ	0.0077	%	< 0.0077	Acceptable	
THCV	<LOQ	0.0077	%	< 0.0077	Acceptable	
dBTHCV	<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	
dBTHC	<LOQ	0.0077	%	< 0.0077	Acceptable	
CB	<LOQ	0.0077	%	< 0.0077	Acceptable	
dBTHC	<LOQ	0.0077	%	< 0.0077	Acceptable	
CB	<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	
CB	<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/D012.R001
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Received: 12/15/22 11:03

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

Laboratory Quality Control Results

JAOAC2015 V986 Batch ID: 2210858								
Sample Duplicate Sample ID: 22-0153630008								
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	
CBD	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBSA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBS	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	
deltaTHCV	<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	
deltaTHC	0.164	0.158	0.077	%	3.93	< 20	Acceptable	
deltaTHC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CB	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
deltaTHC	<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	
CB	<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.