PIXIS Labs
A Tentamus Company

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

Job Number:	19-011052
Report Number:	19-011052-00
Report Date:	09/23/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	09/12/19 13:14

Customer:	Trace Minerals Research		
Product identity:	CBD Go-Pak 20mg	**Client/Metrc ID:**	Lot# 747
Laboratory ID:	19-011052-0001	**Sample Date:**	09/10/19

Summary

Potency:

Analyte	Result	Limits	Units	LOQ
CBC†	0.0115		%	0.00
CBD	0.325		%	0.00
CBG†	0.0116		%	0.00
Δ9-THC	0.0124		%	0.00

Analyte per 7g	Result	Limits	Units	LOQ
CBC per 7g†	0.805		mg/7g	0.23
CBD per 7g	22.8		mg/7g	0.23
CBG per 7g†	0.812		mg/7g	0.23
Δ9-THC per 7g	0.868		mg/7g	0.23

CBD-Total per 7g	22.8 mg/7g
THC-Total per 7g	0.868 mg/7g

(Reported in milligrams per serving)

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Terpenes:

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
(R)-(+)-Limonene†	0.0385	100.00%	**Total Terpenes†**	**0.0385**	**100.00%**

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.

Testing in accordance with: OAR 333-007-0430

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Customer: Trace Minerals Research

Product identity: CBD Go-Pak 20mg
Client/Metrc ID: Lot# 747
Sample Date: 09/10/19
Laboratory ID: 19-011052-0001
Relinquished by: Received By Mail
Temp: 27.4 °C
Serving Size #1: 7 g

Sample Results

Potency — Batch: 1908313

Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC†	0.0115		%	0.0032	09/14/19	J AOAC 2015 V98-6	
CBC-A†	< LOQ		%	0.0032	09/14/19	J AOAC 2015 V98-6	
CBC-Total†	0.0115		%	0.0060	09/20/19	J AOAC 2015 V98-6	
CBD	0.325		%	0.0032	09/14/19	J AOAC 2015 V98-6	
CBD-A	< LOQ		%	0.0032	09/14/19	J AOAC 2015 V98-6	
CBD-Total	0.325		%	0.0060	09/20/19	J AOAC 2015 V98-6	
CBDV†	< LOQ		%	0.0032	09/14/19	J AOAC 2015 V98-6	
CBDV-A†	< LOQ		%	0.0032	09/14/19	J AOAC 2015 V98-6	
CBDV-Total†	< LOQ		%	0.0059	09/20/19	J AOAC 2015 V98-6	
CBG†	0.0116		%	0.0032	09/14/19	J AOAC 2015 V98-6	
CBG-A†	< LOQ		%	0.0032	09/14/19	J AOAC 2015 V98-6	
CBG-Total†	0.0116		%	0.0059	09/20/19	J AOAC 2015 V98-6	
CBL†	< LOQ		%	0.0032	09/14/19	J AOAC 2015 V98-6	
CBN	< LOQ		%	0.0032	09/14/19	J AOAC 2015 V98-6	
Δ8-THC†	< LOQ		%	0.0032	09/14/19	J AOAC 2015 V98-6	
Δ9-THC	0.0124		%	0.0032	09/14/19	J AOAC 2015 V98-6	
THC-A	< LOQ		%	0.0032	09/14/19	J AOAC 2015 V98-6	
THC-Total	0.0124		%	0.0060	09/20/19	J AOAC 2015 V98-6	
THCV†	< LOQ		%	0.0032	09/14/19	J AOAC 2015 V98-6	
THCV-A†	< LOQ		%	0.0032	09/14/19	J AOAC 2015 V98-6	
THCV-Total†	< LOQ		%	0.0059	09/20/19	J AOAC 2015 V98-6	

Potency per 7g — Batch: 1908313

Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 7g†	0.805		mg/7g	0.233	09/20/19	J AOAC 2015 V98-6	
CBC-A per 7g†	< LOQ		mg/7g	0.233	09/20/19	J AOAC 2015 V98-6	
CBC-Total per 7g†	0.805		mg/7g	0.438	09/20/19	J AOAC 2015 V98-6	
CBD per 7g	22.8		mg/7g	0.233	09/20/19	J AOAC 2015 V98-6	
CBD-A per 7g	< LOQ		mg/7g	0.233	09/20/19	J AOAC 2015 V98-6	
CBD-Total per 7g	22.8		mg/7g	0.438	09/20/19	J AOAC 2015 V98-6	

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Potency per 7g — Batch: 1908313

Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBDV per 7g†	< LOQ		mg/7g	0.233	09/20/19	J AOAC 2015 V98-6	
CBDV-A per 7g†	< LOQ		mg/7g	0.233	09/20/19	J AOAC 2015 V98-6	
CBDV-Total per 7g†	< LOQ		mg/7g	0.436	09/20/19	J AOAC 2015 V98-6	
CBG per 7g†	0.812		mg/7g	0.233	09/20/19	J AOAC 2015 V98-6	
CBG-A per 7g†	< LOQ		mg/7g	0.233	09/20/19	J AOAC 2015 V98-6	
CBG-Total per 7g†	0.812		mg/7g	0.438	09/20/19	J AOAC 2015 V98-6	
CBL per 7g†	< LOQ		mg/7g	0.233	09/20/19	J AOAC 2015 V98-6	
CBN per 7g	< LOQ		mg/7g	0.233	09/20/19	J AOAC 2015 V98-6	
Δ8-THC per 7g†	< LOQ		mg/7g	0.233	09/20/19	J AOAC 2015 V98-6	
Δ9-THC per 7g	0.868		mg/7g	0.233	09/20/19	J AOAC 2015 V98-6	
THC-A per 7g	< LOQ		mg/7g	0.233	09/20/19	J AOAC 2015 V98-6	
THC-Total per 7g	0.868		mg/7g	0.438	09/20/19	J AOAC 2015 V98-6	
THCV per 7g†	< LOQ		mg/7g	0.233	09/20/19	J AOAC 2015 V98-6	
THCV-A per 7g†	< LOQ		mg/7g	0.233	09/20/19	J AOAC 2015 V98-6	
THCV-Total per 7g†	< LOQ		mg/7g	0.436	09/20/19	J AOAC 2015 V98-6	

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
E.coli	< LOQ		cfu/g	10	1908244	09/15/19	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/g	10	1908244	09/15/19	AOAC 991.14 (Petrifilm)	X
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	1908242	09/15/19	AOAC 2014.05 (RAPID)	X
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	1908242	09/15/19	AOAC 2014.05 (RAPID)	X

Testing in accordance with: OAR 333-007-0390 OAR 333-007-0410 OAR 333-007-0430

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Solvents **Method** EPA5021A **Units** µg/g **Batch** 1908262 **Analyze** 09/13/19 02:37 PM

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
1,4-Dioxane	< LOQ	380	100	pass		2-Butanol	< LOQ	5000	200	pass	
2-Ethoxyethanol	< LOQ	160	30.0	pass		2-Methylbutane	< LOQ		200		
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass	
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane	< LOQ		200		
2,3-Dimethylbutane	< LOQ		30.0			3-Methylpentane	< LOQ		30.0		
Acetone	< LOQ	5000	200	pass		Acetonitrile	< LOQ	410	100	pass	
Benzene	< LOQ	2.00	1.00	pass		Butanes (sum)	< LOQ	5000	400	pass	
Cyclohexane	< LOQ	3880	200	pass		Ethyl acetate	< LOQ	5000	200	pass	
Ethyl benzene	< LOQ		200			Ethyl ether	< LOQ	5000	200	pass	
Ethylene glycol	< LOQ	620	200	pass		Ethylene oxide	< LOQ	50.0	30.0	pass	
Hexanes (sum)	< LOQ	290	150	pass		Isopropyl acetate	< LOQ	5000	200	pass	
Isopropylbenzene	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200		
Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	600	200	pass	
Methylpropane	< LOQ		200			n-Butane	< LOQ		200		
n-Heptane	< LOQ	5000	200	pass		n-Hexane	< LOQ		30.0		
n-Pentane	< LOQ		200			o-Xylene	< LOQ		200		
Pentanes (sum)	< LOQ	5000	600	pass		Propane	< LOQ	5000	200	pass	
Tetrahydrofuran	< LOQ	720	100	pass		Toluene	< LOQ	890	100	pass	
Total Xylenes	< LOQ		400			Total Xylenes and Ethyl	< LOQ	2170	600	pass	

Testing in accordance with: OAR 333-007-0390 OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430

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Pesticides **Method** AOAC 2007.01 & EN 15662 (mod) **Units** mg/kg **Batch** 1908349 **Analyze** 09/17/19 05:38 PM

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin	< LOQ	0.50	0.250	pass		Acephate	< LOQ	0.40	0.250	pass	
Acequinocyl	< LOQ	2.0	1.00	pass		Acetamiprid	< LOQ	0.20	0.100	pass	
Aldicarb	< LOQ	0.40	0.200	pass		Azoxystrobin	< LOQ	0.20	0.100	pass	
Bifenazate	< LOQ	0.20	0.100	pass		Bifenthrin	< LOQ	0.20	0.100	pass	
Boscalid	< LOQ	0.40	0.100	pass		Carbaryl	< LOQ	0.20	0.100	pass	
Carbofuran	< LOQ	0.20	0.100	pass		Chlorantraniliprole	< LOQ	0.20	0.100	pass	
Chlorfenapyr	< LOQ	1.0	0.500	pass		Chlorpyrifos	< LOQ	0.20	0.100	pass	
Clofentezine	< LOQ	0.20	0.100	pass		Cyfluthrin (incl.	< LOQ	1.0	0.500	pass	
Cypermethrin	< LOQ	1.0	0.500	pass		Daminozide	< LOQ	1.0	0.500	pass	
Diazinon	< LOQ	0.20	0.100	pass		Dichlorvos	< LOQ	1.0	0.500	pass	
Dimethoate	< LOQ	0.20	0.100	pass		Ethoprophos	< LOQ	0.20	0.100	pass	
Etofenprox	< LOQ	0.40	0.200	pass		Etoxazole	< LOQ	0.20	0.100	pass	
Fenoxycarb	< LOQ	0.20	0.100	pass		Fenpyroximate	< LOQ	0.40	0.200	pass	
Fipronil	< LOQ	0.40	0.200	pass		Flonicamid	< LOQ	1.0	0.400	pass	
Fludioxonil	< LOQ	0.40	0.200	pass		Hexythiazox	< LOQ	1.0	0.400	pass	
Imazalil	< LOQ	0.20	0.100	pass		Imidacloprid	< LOQ	0.40	0.200	pass	
Kresoxim-methyl	< LOQ	0.40	0.200	pass		Malathion	< LOQ	0.20	0.100	pass	
Metalaxyl	< LOQ	0.20	0.100	pass		Methiocarb	< LOQ	0.20	0.100	pass	
Methomyl	< LOQ	0.40	0.200	pass		MGK-264	< LOQ	0.20	0.100	pass	
Myclobutanil	< LOQ	0.20	0.100	pass		Naled	< LOQ	0.50	0.250	pass	
Oxamyl	< LOQ	1.0	0.500	pass		Paclobutrazole	< LOQ	0.40	0.200	pass	
Parathion-Methyl	< LOQ	0.20	0.200	pass		Permethrin	< LOQ	0.20	0.100	pass	
Phosmet	< LOQ	0.20	0.100	pass		Piperonyl butoxide	< LOQ	2.0	1.00	pass	
Prallethrin	< LOQ	0.20	0.100	pass		Propiconazole	< LOQ	0.40	0.200	pass	
Propoxur	< LOQ	0.20	0.100	pass		Pyrethrin I (total)	< LOQ	1.0	0.500	pass	
Pyridaben	< LOQ	0.20	0.100	pass		Spinosad	< LOQ	0.20	0.100	pass	
Spiromesifen	< LOQ	0.20	0.100	pass		Spirotetramat	< LOQ	0.20	0.100	pass	
Spiroxamine	< LOQ	0.40	0.200	pass		Tebuconazole	< LOQ	0.40	0.200	pass	
Thiacloprid	< LOQ	0.20	0.100	pass		Thiamethoxam	< LOQ	0.20	0.100	pass	
Trifloxystrobin	< LOQ	0.20	0.100	pass							

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Terpenes **Method** J AOAC 2015 V98-6 **Units** % **Batch** 1908284 **Analyze** 09/13/19 07:49 PM

Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
(R)-(+)-Limonene†	0.0385	0.020	100.00%		(-)-a-Terpineol†	< LOQ	0.020	0.00%	
(-)-caryophyllene oxide†	< LOQ	0.020	0.00%		(-)-Guaiol†	< LOQ	0.020	0.00%	
(-)-Isopulegol†	< LOQ	0.020	0.00%		(-)-ß-Pinene†	< LOQ	0.020	0.00%	
(+)-Borneol†	< LOQ	0.020	0.00%		(+)-Cedrol†	< LOQ	0.020	0.00%	
(+)-fenchol†	< LOQ	0.020	0.00%		(+)-Pulegone†	< LOQ	0.020	0.00%	
(±)-Camphor†	< LOQ	0.020	0.00%		(±)-cis-Nerolidol†	< LOQ	0.020	0.00%	
(±)-fenchone†	< LOQ	0.020	0.00%		(±)-trans-Nerolidol†	< LOQ	0.020	0.00%	
a-Bisabolol†	< LOQ	0.020	0.00%		a-cedrene†	< LOQ	0.020	0.00%	
a-phellandrene†	< LOQ	0.020	0.00%		a-pinene†	< LOQ	0.020	0.00%	
a-Terpinene†	< LOQ	0.020	0.00%		Camphene†	< LOQ	0.020	0.00%	
cis-ß-Ocimene†	< LOQ	0.006	0.00%		d-3-Carene†	< LOQ	0.020	0.00%	
Eucalyptol†	< LOQ	0.020	0.00%		farnesene†	< LOQ	0.020	0.00%	
gamma-Terpinene†	< LOQ	0.020	0.00%		Geraniol†	< LOQ	0.020	0.00%	
Geranyl acetate†	< LOQ	0.020	0.00%		Humulene†	< LOQ	0.020	0.00%	
Isoborneol†	< LOQ	0.020	0.00%		Linalool†	< LOQ	0.020	0.00%	
Menthol†	< LOQ	0.020	0.00%		nerol†	< LOQ	0.020	0.00%	
p-Cymene†	< LOQ	0.020	0.00%		Sabinene†	< LOQ	0.020	0.00%	
Sabinene hydrate†	< LOQ	0.020	0.00%		ß-Caryophyllene†	< LOQ	0.020	0.00%	
ß-Myrcene†	< LOQ	0.020	0.00%		Terpinolene†	< LOQ	0.020	0.00%	
trans-ß-Ocimene†	< LOQ	0.013	0.00%		valencene†	< LOQ	0.020	0.00%	

Total Terpenes **0.0385**

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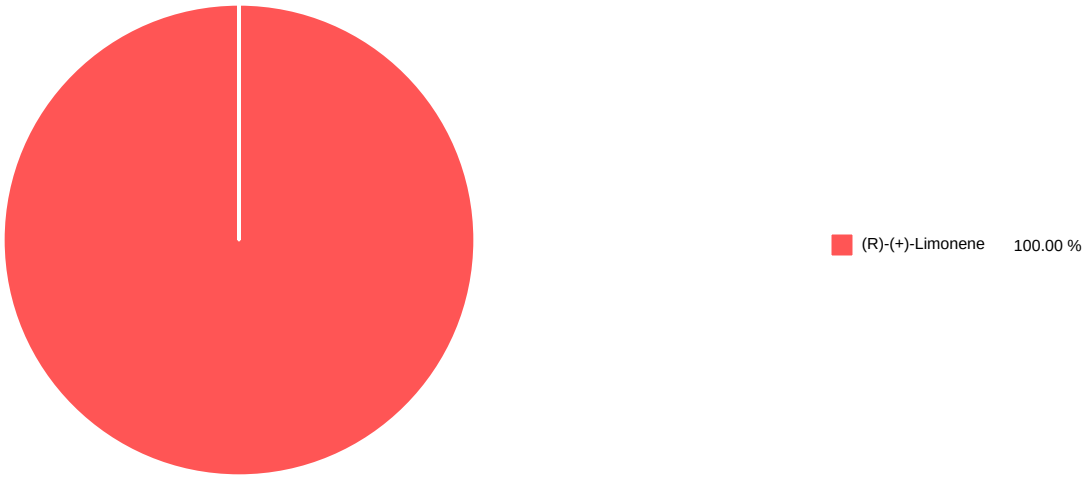

Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Arsenic	< LOQ		mg/kg	0.0412	1908461	09/19/19	AOAC 2013.06 (mod.)	X
Cadmium	< LOQ		mg/kg	0.0412	1908461	09/19/19	AOAC 2013.06 (mod.)	X
Lead	< LOQ		mg/kg	0.0412	1908461	09/19/19	AOAC 2013.06 (mod.)	X
Mercury	< LOQ		mg/kg	0.0206	1908461	09/19/19	AOAC 2013.06 (mod.)	X

Mycotoxins

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Aflatoxin B1†	< LOQ		µg/kg	5.00	1908447	09/19/19	AOAC 2007.01 & EN 15662	
Aflatoxin B2†	< LOQ		µg/kg	5.00	1908447	09/19/19	AOAC 2007.01 & EN 15662	
Aflatoxin G1†	< LOQ		µg/kg	5.00	1908447	09/19/19	AOAC 2007.01 & EN 15662	
Aflatoxin G2†	< LOQ		µg/kg	5.00	1908447	09/19/19	AOAC 2007.01 & EN 15662	
Deoxynivalenol†	< LOQ		µg/kg	200	1908447	09/19/19	AOAC 2007.01 & EN 15662	
Fumonisin B1†	< LOQ		µg/kg	200	1908447	09/19/19	AOAC 2007.01 & EN 15662	
Fumonisin B2†	< LOQ		µg/kg	400	1908447	09/19/19	AOAC 2007.01 & EN 15662	
HT2-Toxin†	< LOQ		µg/kg	40.0	1908447	09/19/19	AOAC 2007.01 & EN 15662	
Nivalenol†	< LOQ		µg/kg	400	1908447	09/19/19	AOAC 2007.01 & EN 15662	
Ochratoxin A†	< LOQ		µg/kg	5.00	1908447	09/19/19	AOAC 2007.01 & EN 15662	
Ochratoxin B†	< LOQ		µg/kg	2.00	1908447	09/19/19	AOAC 2007.01 & EN 15662	
T2-Toxin†	< LOQ		µg/kg	20.0	1908447	09/19/19	AOAC 2007.01 & EN 15662	
Zearalenone†	< LOQ		µg/kg	200	1908447	09/19/19	AOAC 2007.01 & EN 15662	

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Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220

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.

† = Analyte not NELAP accredited.

Units of Measure

cfu/g = Colony forming units per gram
g = Gram
µg/g = Microgram per gram
µg/kg = Micrograms per kilogram = parts per billion (ppb)
mg/kg = Milligram per kilogram = parts per million (ppm)
mg/7g = Milligram per 7g
% = Percentage of sample
% wt = µg/g divided by 10,000

Glossary of Qualifiers

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager

Testing in accordance with: OAR 333-007-0390 OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430