



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

Job Number: 19-011742
Report Number: 19-011742-00
Report Date: 10/11/2019
Purchase Order: Pre Paid check 279 (\$
Received: 09/26/19



Cover Letter

Danodan Hemp Works
6019 NE MLK Jr Blvd
Portland Oregon 97211
United States

Dear Daniel Stoops,

Enclosed please find Columbia Food Laboratories analytical report for samples received as order number 19-011742 on 09/26/2019. Should you have any questions about this report or any other matter, please do not hesitate to contact us. We are here to help you.

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of Columbia Food Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be kept a maximum of 15 days from the report date unless prior arrangements have been made.

Thank you for allowing Columbia Food Laboratories to be of service to you, we appreciate your business.

Sincerely,

Derrick Tanner
General Manager



Customer: Danodan Hemp Works
 6019 NE MLK Jr Blvd
 Portland Oregon 97211
 United States

Sample ID: TB-15 (6mg CBD) - Hemp Product

Sample Matrix: liquid

Laboratory ID: 19-011742-0001

Evidence of Cooling: No

Temp: 22 °C

Sample Results

Metals

Heavy Metals Profile A

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Arsenic	< LOQ	mg/kg	0.0189	10/08/19	AOAC 2013.06 (mod.) 1	
Cadmium	< LOQ	mg/kg	0.0189	10/08/19	AOAC 2013.06 (mod.) 1	
Lead	< LOQ	mg/kg	0.0189	10/08/19	AOAC 2013.06 (mod.) 1	
Mercury	< LOQ	mg/kg	0.00946	10/08/19	AOAC 2013.06 (mod.) 1	

1) trace metals in food by Inductively Coupled Mass Spectrometry

Microbiology

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Salmonella spp.	Negative	/25g		09/28/19	AOAC 2016.01 2	

Micro Profile C (M1000)

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Aerobic Plate Count	< LOQ	cfu/g	10	09/29/19	AOAC 990.12 (Petrifilm)	
E.coli	< LOQ	cfu/g	10	09/29/19	AOAC 991.14 (Petrifilm)	
Total Coliforms	< LOQ	cfu/g	10	09/29/19	AOAC 991.14 (Petrifilm)	

2) 3M Molecular Detection of Salmonella

Nutrition

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Moisture (Karl Fisher)†	1.96	g/100g	0.10	10/11/19	AOAC 2001.12 (mod.)	

FDA Nutritional Facts Panel

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Total Fat	0.30	g/100g	0.10	10/04/19	AOAC 922.06 (mod.)	
Ash	0.29	g/100g	0.10	10/03/19	AOAC 923.03 (mod.)	
Total Dietary Fiber	< LOQ	g/100g	0.20	10/10/19	AOAC 991.43 (mod.)	
Cholesterol	< LOQ	mg/100g	1.0	10/02/19	AOAC 994.10 (mod.)	
Protein	0.43	g/100g	0.10	10/02/19	AOAC 2001.11 (mod.)	



Nutrition

FDA Nutritional Facts Panel

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Calcium	25.7	mg/100g	0.946	10/09/19	AOAC 2014.11 (mod) 3	
Iron	0.624	mg/100g	0.379	10/09/19	AOAC 2014.11 (mod) 3	
Potassium	122	mg/100g	18.9	10/09/19	AOAC 2014.11 (mod) 3	
Sodium	< LOQ	mg/100g	1.89	10/09/19	AOAC 2014.11 (mod) 3	
Saturated Fat	0.18	g/100g	0.10	10/09/19	AOCS Ce 1h-05 (mod.)	
Trans Fat	< LOQ	g/100g	0.10	10/09/19	AOCS Ce 1h-05 (mod.)	
Added Sugars [†]	< LOQ	g/100g	0.10	10/11/19	Calculated	
Calories	393	kcal/100g	0	10/11/19	Calculated 4	
Total Carbohydrates	97.0	g/100g	0.10	10/11/19	Calculated 5	
Total Sugars	< LOQ	g/100g	0.10	10/03/19	FC74 (2001) 499-505 (mod.)	
Total Vitamin D	< LOQ	µg/100g	0.20	10/02/19	Huang Et Al. - RCIMS 2014, 28. pp. 2101-10	

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- 3) Minerals in food by inductively coupled atomic emission spectroscopy
 - 4) Calculated using the Atwater formula, as cited in the 21CFR101.9
 - 5) Calculated by difference, as cited in the 21CFR101.9



Customer: Danodan Hemp Works
 6019 NE MLK Jr Blvd
 Portland Oregon 97211
 United States

Sample ID: Shot - 10 - 08 (20mg CBD) - Hemp Product
Sample Matrix: liquid
Laboratory ID: 19-011742-0002
Evidence of Cooling: No
Temp: 22 °C

Sample Results

Metals

Heavy Metals Profile A

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Arsenic	< LOQ	mg/kg	0.0195	10/08/19	AOAC 2013.06 (mod.) 1	
Cadmium	< LOQ	mg/kg	0.0195	10/08/19	AOAC 2013.06 (mod.) 1	
Lead	< LOQ	mg/kg	0.0195	10/08/19	AOAC 2013.06 (mod.) 1	
Mercury	< LOQ	mg/kg	0.00976	10/08/19	AOAC 2013.06 (mod.) 1	

1) trace metals in food by Inductively Coupled Mass Spectrometry

Microbiology

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Salmonella spp.	Negative	/25g		09/28/19	AOAC 2016.01 2	

Micro Profile C (M1000)

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Aerobic Plate Count	< LOQ	cfu/g	10	09/29/19	AOAC 990.12 (Petrifilm)	
E.coli	< LOQ	cfu/g	10	09/29/19	AOAC 991.14 (Petrifilm)	
Total Coliforms	< LOQ	cfu/g	10	09/29/19	AOAC 991.14 (Petrifilm)	

2) 3M Molecular Detection of Salmonella

Nutrition

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Moisture (Karl Fisher)†	2.55	g/100g	0.10	10/11/19	AOAC 2001.12 (mod.)	

FDA Nutritional Facts Panel

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Total Fat	1.07	g/100g	0.10	10/04/19	AOAC 922.06 (mod.)	
Ash	0.21	g/100g	0.10	10/03/19	AOAC 923.03 (mod.)	
Total Dietary Fiber	< LOQ	g/100g	0.20	10/10/19	AOAC 991.43 (mod.)	
Cholesterol	< LOQ	mg/100g	1.0	10/02/19	AOAC 994.10 (mod.)	
Protein	0.31	g/100g	0.10	10/02/19	AOAC 2001.11 (mod.)	



Nutrition

FDA Nutritional Facts Panel

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Calcium	16.3	mg/100g	0.976	10/09/19	AOAC 2014.11 (mod) 3	
Iron	< LOQ	mg/100g	0.390	10/09/19	AOAC 2014.11 (mod) 3	
Potassium	83.8	mg/100g	19.5	10/09/19	AOAC 2014.11 (mod) 3	
Sodium	< LOQ	mg/100g	1.95	10/09/19	AOAC 2014.11 (mod) 3	
Saturated Fat	0.38	g/100g	0.10	10/09/19	AOCS Ce 1h-05 (mod.)	
Trans Fat	< LOQ	g/100g	0.10	10/09/19	AOCS Ce 1h-05 (mod.)	
Added Sugars [†]	< LOQ	g/100g	0.10	10/11/19	Calculated	
Calories	394	kcal/100g	0	10/11/19	Calculated 4	
Total Carbohydrates	95.9	g/100g	0.10	10/11/19	Calculated 5	
Total Sugars	< LOQ	g/100g	0.10	10/03/19	FC74 (2001) 499-505 (mod.)	
Total Vitamin D	< LOQ	µg/100g	0.20	10/02/19	Huang Et Al. - RCIMS 2014, 28. pp. 2101-10	

-
- 3) Minerals in food by inductively coupled atomic emission spectroscopy
 - 4) Calculated using the Atwater formula, as cited in the 21CFR101.9
 - 5) Calculated by difference, as cited in the 21CFR101.9



Customer: Danodan Hemp Works
 6019 NE MLK Jr Blvd
 Portland Oregon 97211
 United States

Sample ID: Shot - 15 - 10 (30mg CBD) - Hemp Product
Sample Matrix: liquid
Laboratory ID: 19-011742-0003
Evidence of Cooling: No
Temp: 22 °C

Sample Results

Metals

Heavy Metals Profile A

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Arsenic	< LOQ	mg/kg	0.0188	10/08/19	AOAC 2013.06 (mod.) 1	
Cadmium	< LOQ	mg/kg	0.0188	10/08/19	AOAC 2013.06 (mod.) 1	
Lead	< LOQ	mg/kg	0.0188	10/08/19	AOAC 2013.06 (mod.) 1	
Mercury	< LOQ	mg/kg	0.00938	10/08/19	AOAC 2013.06 (mod.) 1	

1) trace metals in food by Inductively Coupled Mass Spectrometry

Microbiology

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Salmonella spp.	Negative	/25g		09/28/19	AOAC 2016.01 2	

Micro Profile C (M1000)

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Aerobic Plate Count	< LOQ	cfu/g	10	09/29/19	AOAC 990.12 (Petrifilm)	
E.coli	< LOQ	cfu/g	10	09/29/19	AOAC 991.14 (Petrifilm)	
Total Coliforms	< LOQ	cfu/g	10	09/29/19	AOAC 991.14 (Petrifilm)	

2) 3M Molecular Detection of Salmonella

Nutrition

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Moisture (Karl Fisher)†	2.56	g/100g	0.10	10/11/19	AOAC 2001.12 (mod.)	

FDA Nutritional Facts Panel

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Total Fat	0.85	g/100g	0.10	10/04/19	AOAC 922.06 (mod.)	
Ash	0.19	g/100g	0.10	10/03/19	AOAC 923.03 (mod.)	
Total Dietary Fiber	< LOQ	g/100g	0.20	10/10/19	AOAC 991.43 (mod.)	
Cholesterol	< LOQ	mg/100g	1.0	10/02/19	AOAC 994.10 (mod.)	
Protein	0.28	g/100g	0.10	10/02/19	AOAC 2001.11 (mod.)	



Nutrition

FDA Nutritional Facts Panel

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Calcium	17.1	mg/100g	0.938	10/09/19	AOAC 2014.11 (mod) 3	
Iron	< LOQ	mg/100g	0.375	10/09/19	AOAC 2014.11 (mod) 3	
Potassium	81.9	mg/100g	18.8	10/09/19	AOAC 2014.11 (mod) 3	
Sodium	< LOQ	mg/100g	1.88	10/09/19	AOAC 2014.11 (mod) 3	
Saturated Fat	0.27	g/100g	0.10	10/09/19	AOCS Ce 1h-05 (mod.)	
Trans Fat	< LOQ	g/100g	0.10	10/09/19	AOCS Ce 1h-05 (mod.)	
Added Sugars [†]	< LOQ	g/100g	0.10	10/11/19	Calculated	
Calories	393	kcal/100g	0	10/11/19	Calculated 4	
Total Carbohydrates	96.1	g/100g	0.10	10/11/19	Calculated 5	
Total Sugars	< LOQ	g/100g	0.10	10/03/19	FC74 (2001) 499-505 (mod.)	
Total Vitamin D	< LOQ	µg/100g	0.20	10/02/19	Huang Et Al. - RCIMS 2014, 28. pp. 2101-10	

- 3) Minerals in food by inductively coupled atomic emission spectroscopy
4) Calculated using the Atwater formula, as cited in the 21CFR101.9
5) Calculated by difference, as cited in the 21CFR101.9

Abbreviations

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 ISO accredited.

Units of Measure

- /25g = Per 25g
cfu/g = Colony forming units per gram
g/100g = Grams per 100 Grams
kcal/100g = Kilocalorie per 100 grams
µg/100g = Microgram per 100 grams
mg/100g = Milligram per 100 grams
mg/kg = Milligram per kilogram = parts per million (ppm)

Approved Signatory



Derrick Tanner
General Manager



DANODANHEMPWORK 19-011742



Danodan Hempworks

Food
RIES
any

12423 NE Whitaker Way
Portland, OR 97230
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www.columbiafoodlab.com
info@columbiafoodlab.com

Revision: 1.00 Document Control: CF024
Revised: 12/27/2018 Effective: 01/08/2019

PO#: _____
Date: _____
Page 1 of 1

Chain of Custody Record

Company: <u>Danodan Hempworks</u> Contact: _____ Street: _____ City, State, Zip: _____ Email: _____ Phone: (____) _____ Billing (if different): _____		Testing Requested <u>Nutritional Label #950</u> <u>APC #16</u> <u>G.coli #20</u> <u>Salmonella #30</u>				Project: _____ After analysis, samples are to be: <input type="checkbox"/> Disposed of by CFL <input type="checkbox"/> Stored over 15 days <input type="checkbox"/> Returned to customer <input type="checkbox"/> Stored 15 days max	
Client Sample Identification	Date/Time Collected					Sample Type	Comments
* TB-15 (6 mg CBD)		-	-	-	-	<u>hemp flower cba shot</u>	<u>No added sugars</u> <u>2ml serving / 1 serving</u> <u>will email density</u> <u>report microbial first</u>
Shot-10-08 (20 mg CBD)		-	-	-	-	↓	
Shot-15-10 (30 mg CBD)		-	-	-	-	↓	
Sampled by: _____ Turn-around time: Ask for availability <input type="checkbox"/> Standard <input type="checkbox"/> Rush (1.5 Times Standard) <input type="checkbox"/> Priority Rush (2 Times Standard)	* Relinquished by (Signature) <u>[Signature]</u>	Date <u>9/26/19</u>	Time <u>1:26p</u>	Received by (Signature) <u>[Signature]</u>	Date <u>9/26/19</u>	Time <u>13:26</u>	Lab Use Only: Job No: _____ Temp: <u>22.3</u> °C Cash/Check/CC/Net 30 <u>#279 #3078</u> Lab Comments: _____

*SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO CFL WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THIS FORM. BY SIGNING "RELIQUISHED BY" YOU AGREE TO THESE TERMS AND CONDITIONS.



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

Job Number: 19-011742
Report Number: 19-011742-00
Report Date: 10/11/2019
Purchase Order: Pre Paid check 279 (\$
Received: 09/26/19



REFERENCE: LAB AGREEMENT LABORATORY USE ONLY
Revised: 12/27/2018 Effective: 01/08/2019



CHAIN OF CUSTODY INSTRUCTIONS

COMPANY NAME and CONTACT INFO -	Name of the company and individual who will receive the lab report. Please specify if the billing information is different than the reporting information.
COMMENTS -	A brief description of any special instructions pertaining to the samples or reporting.
PO# -	Applies to a customer purchase order or number to be listed on the invoice.
PROJECT -	Applies to a customer project name or number to be listed on the report.
CLIENT SAMPLE ID -	A short description of the sample point or material to be analyzed (e.g., "Lot ABCD"). This description will appear on the report.
COLLECTION DATE -	The date on which the sample(s) was/were collected.
COLLECTION TIME -	The time at which the sample(s) was/were collected.
SAMPLE TYPE -	This is a description of the sample media (e.g. potatoes, plant tissue, soil, etc.)
TESTING REQUESTED -	Use one column for each analysis or group of analyses associated to a specific sample ID.
SAMPLED BY -	The name of the person who collected the sample(s).
RELINQUISHED BY -	The signature of the person who is turning possession of the sample(s) to the lab for analysis. All below terms and conditions are agreed to with this signature.
RECEIVED BY -	The person who receives the sample(s) signs here and fills in the date/time received. The date and time should be same as "Relinquished by" unless the sample(s) was shipped.

TERMS AND CONDITIONS

PRICING AND CHARGES

Prices to be charged for work performed for CUSTOMER are those currently published in the Columbia Food Laboratories, Inc. DBA. Fixis Labs (herein referred to as "the LAB", where Columbia Food Laboratories, Inc. & Fixis Labs can be used interchangeably) standard price book unless otherwise agreed in writing by the CUSTOMER and the LAB. CUSTOMER must notify the LAB of price quotation at the time of the transfer of sample(s) to the LAB. Any cancellation of testing requirements will result in charges being assessed on all testing completed prior to the notice of cancellation. Unless otherwise agreed upon, samples containing hazardous material will be shipped back to client at their expense, or disposed of at a certain fee, waste category dependent. New accounts are accepted with full payment in advance by cash, check, Visa or Mastercard. A credit line may be established with an approved credit application.

DELIVERY AND LIABILITY LIMITATIONS

The specific format of the goods will be defined by CUSTOMER to the LAB upon delivery of the sample(s) to the LAB. The LAB will analyze samples provided by CUSTOMER as requested by CUSTOMER in accordance with the procedures documented in the Quality Assurance Plan (QAP). Samples are retained for 15 days. If additional time is desired, then a written request is required, and an additional monthly fee will apply. This price quote is only valid for one year after initial quote date.

CONFIDENTIALITY

The LAB will treat all information regarding work performed for CUSTOMER as proprietary and confidential. No CUSTOMER information will be released to third persons without the written request of the CUSTOMER.

LIMITATION OF LIABILITY AND WARRANTY

The LAB gives no warranty, express or implied, or of fitness for a particular purpose, in connection with its analytical testing or reporting. Any liability of the LAB to CUSTOMER or any third party shall be limited to the cost of analysis charged to CUSTOMER.

PAST DUE ACCOUNTS

Credit line account are payable within 30 days. Accounts that are 60 days past due will incur 1 1/2% per month on all past due sums until paid in full and will automatically default to cash on delivery (COD). Reports will not be released unless payment on past and current invoices are received. Customer agrees to pay the interest as a service charge and all the LAB's collection costs, including reasonable attorney fees.

EXPERT TESTIMONY AND COURT APPEARANCES

In the event CUSTOMER requires the further written opinion or testimony of any employee of the LAB, including response to a subpoena issued by CUSTOMER or any third person, CUSTOMER agrees to pay such additional fees and expenses as may be reasonably assessed by the LAB.

ALTERNATIVE DISPUTE RESOLUTION (ADR)

Any disputes arising out of this Agreement or the analytical testing or reporting by the LAB shall be settled through mediation and/or arbitration rather than litigation, and the cost of the ADR shall be borne equally by both parties.

APPLICABLE LAW

Legal matters arising from work performed by the LAB for CUSTOMER will be construed and interpreted in accordance with the laws for the state of Oregon.



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

Job Number: 19-011742
Report Number: 19-011742-00
Report Date: 10/11/2019
Purchase Order: Pre Paid check 279 (\$
Received: 09/26/19



Renate Ryan-Jeppeson

19-011742

From: Renate Ryan-Jeppeson
Sent: Friday, September 27, 2019 4:03 PM
To: 'Daniel Stoops'; Info CFL
Subject: RE: Danodan Hempworks - Order #19-011742 - Add Heavy Metals Please..

Hello Daniel,

I have added the Heavy Metals Profile to all the samples. We will report Arsenic, Cadmium, Lead and Mercury. The cost is \$80 per sample, report date will be the same as the nutrition facts, 10/10.

Let me know if I can help you with anything else.

Best regards,
Renate Ryan-Jeppeson
renate@columbiafoodlab.com
Project Manager, food division
Columbia Food Laboratories | Pixis Labs
www.columbiafoodlab.com | www.pixislabs.com



12423 NE Whitaker Way, Portland OR 97230
office: 503-254-1794 ext. 2209

Confidentiality Note: This communication (including any attachments) may contain privileged or confidential information intended for a specific individual and purpose, and is protected by law. If you are not the intended recipient, you should delete this communication and any attachments and are hereby notified that any disclosure, copying, or distribution of this communication, or the taking of any action based on it, is strictly prohibited. Thank you.

From: Daniel Stoops <daniel@danodan.com>
Sent: Friday, September 27, 2019 3:29 PM
To: Renate Ryan-Jeppeson <renate.jeppeson@tentamus.com>; Info CFL <info.cfl@tentamus.com>
Subject: Danodan Hempworks - Order #19-011742 - Add Heavy Metals Please..

Renate and team

Please add heavy metals to all the suite of tests for all 3 Samples on Order #19-011742. Please confirm you got this and we all all set.

Thanks,

--Daniel

--
Daniel Stoops
Founder | COO & CPD
C: 503 290 4079