



RECOVERY-02

Sample ID: G2J0002-03RE1 Matrix: Hemp Products

Test ID: 1005818

Source ID:

Date Sampled: 09/30/22 Date Accepted: 09/30/22

Danodan Hempworks
info@danodan.com

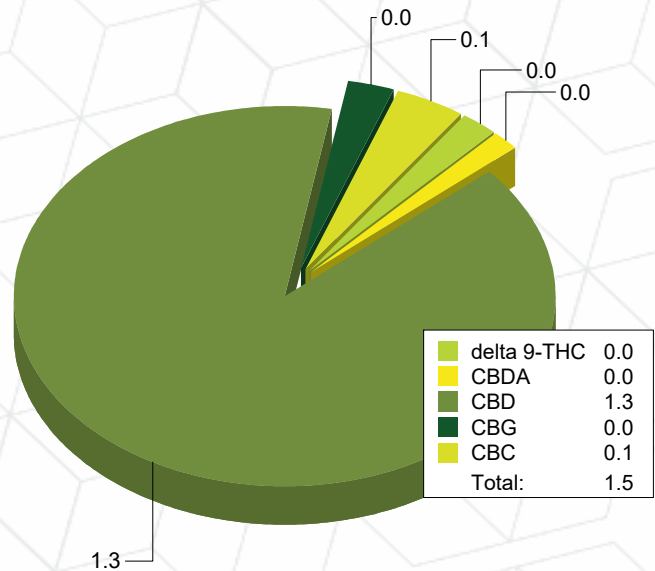
Potency Analysis

Date/Time Extracted: 10/08/22 11:57

Analysis Method/SOP: 215

Batch Identification: 2241047

Cannabinoids	LOQ (%)	mg/g	mg/mL	Cannabinoids Profile
Total THC	0.0008	0.347	0.376	
Total CBD	0.0008	13.47	14.6	
THCA	0.0008	< LOQ	< LOQ	
delta 9-THC	0.0008	0.347	0.376	
delta 8-THC	0.0311	< LOQ	< LOQ	
THCV	0.0243	< LOQ	< LOQ	
THCVA	0.0364	< LOQ	< LOQ	
CBD	0.0008	13.28	14.4	
CBDA	0.0008	0.216	0.234	
CBDV	0.0250	< LOQ	< LOQ	
CBDVA	0.0343	< LOQ	< LOQ	
CBN	0.0225	< LOQ	< LOQ	
CBG	0.0261	0.431	0.467	
CBGA	0.0346	< LOQ	< LOQ	
CBC	0.0328	0.611	0.662	



Unit weight = 1.083 g as provided by client

Total THC = delta 9-THC + (THCA * 0.877)

Total CBD = CBD + (CBDA * 0.877)

Total CBG = CBG + (CBGA * 0.878)

LOQ=Limit of Quantification, the lowest measurable concentration of an analyte.



ISO 17025
ACCREDITED
LABORATORY

Eric Wendt
Chief Science Officer - 10/11/2022

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Primary and Duplicate Results at a Glance

	Averaged	Primary	Duplicate	%RPD (10% Action Level)
Total THC:	0.0340 %	0.0347 %	0.0332 %	4.41 % PASS
Total CBD:	1.317 %	1.347 %	1.287 %	4.56 % PASS



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Quality Control Potency

Batch: 2241047 - 215-Products

Blank(2241047-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0010	%		10/08/22 11:57	10/08/22 17:28	
delta 9-THC	< LOQ	0.0010	%		10/08/22 11:57	10/08/22 17:28	
delta 8-THC	< LOQ	0.0384	%		10/08/22 11:57	10/08/22 17:28	
THCV	< LOQ	0.0300	%		10/08/22 11:57	10/08/22 17:28	
THCVA	< LOQ	0.0448	%		10/08/22 11:57	10/08/22 17:28	
CBD	< LOQ	0.0010	%		10/08/22 11:57	10/08/22 17:28	
CBDA	< LOQ	0.0010	%		10/08/22 11:57	10/08/22 17:28	
CBDV	< LOQ	0.0308	%		10/08/22 11:57	10/08/22 17:28	
CBDVA	< LOQ	0.0423	%		10/08/22 11:57	10/08/22 17:28	
CBN	< LOQ	0.0277	%		10/08/22 11:57	10/08/22 17:28	
CBG	< LOQ	0.0322	%		10/08/22 11:57	10/08/22 17:28	
CBGA	< LOQ	0.0427	%		10/08/22 11:57	10/08/22 17:28	
CBC	< LOQ	0.0404	%		10/08/22 11:57	10/08/22 17:28	

Reference(2241047-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	95.9	0.0097	%	90-110	10/08/22 11:57	10/08/22 17:51	
delta 9-THC	99.4	0.0097	%	90-110	10/08/22 11:57	10/08/22 17:51	
delta 8-THC	97.5	0.3737	%	90-110	10/08/22 11:57	10/08/22 17:51	
CBD	97.2	0.0097	%	90-110	10/08/22 11:57	10/08/22 17:51	
CBDA	94.7	0.0097	%	90-110	10/08/22 11:57	10/08/22 17:51	



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Notes and Definitions

Regulatory Compliance samples were collected onsite at facility according to ORELAP-SOP-001 and ORELAP-SOP-002 and following Sampling Plan FN117.
Quality Control samples were tested as received.

- ATM Non-cannabis matrix related interference or suppression of Internal standard
- BLI Baseline Interference - Cannabinoid peak interference in chromatographic baseline affecting QC recovery .
- BLK Analyte detected in method blank, but not associated samples.
- BSH Blank Spike High - Blank Spike recovery above method limit. no detections in samples.
- BSL Blank Spike Low - Blank Spike recovery below lower method limit, analyte chromatography reviewed manually for all samples.
- C Interference due to co-elution
- CBD Interference due to co-elution
- CV1 CBD matrix interference on GC Pest chromatography
- CV2 CCV was above acceptance criteria, Non-detect samples are considered acceptable.
- INF CCV was below acceptance criteria, sample still exceeds regulatory limit.
- ISH One or more QC falls outside acceptance criteria. Data entered into LIMS for informational purposes only.
- ISL Internal Standard concentration is above acceptance criteria.
- MSH Internal Standard concentration is below acceptance criteria.
- MSI Matrix Spike High - Matrix Spike recovery above method limits.
- MSL Matrix Spike Interference - Matrix spike source sample contains analyte hit above calibration affecting recovery accuracy in Matrix Spike.
- TPP
- U Matrix Spike Low - Matrix Spike recovery below lower method limit, analyte chromatography reviewed manually for all samples.
Internal Standard concentration outside control limit due to matrix interference



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Chief Science Officer - 10/11/2022

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



Report Number: 22-011866/D003.R000
Report Date: 10/13/2022
ORELAP#: OR100028
Purchase Order:
Received: 10/03/22 00:00

Customer: Danodan Hemp Works
Product identity: Recovery-02
Client/Metric ID: .
Laboratory ID: 22-011866-0001

Summary

Metals:

Analyte	Result	Units	Limit	Status
Lead	0.198	mg/kg	0.500	pass

Microbiology:

Less than LOQ for all analytes.



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ORELAP#: OR100028
Purchase Order:
Received: 10/03/22 00:00

Customer: Danodan Hemp Works
 6019 NE MLK Jr Blvd
 Portland Oregon 97211
 United States of America (USA)

Product identity: Recovery-02

Client/Metric ID: .

Sample Date:

Laboratory ID: 22-011866-0001

Evidence of Cooling: No

Temp: 23.9

Relinquished by: client

Sample Results

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aerobic Plate Count	< LOQ		cfu/g	10	2208351	10/06/22 AOAC 990.12 (Petrifilm) ^P		
E.coli	< LOQ		cfu/g	10	2208349	10/05/22 AOAC 991.14 (Petrifilm) ^P		
Staphylococcus aureus	< LOQ		cfu/g	10	2208353	10/05/22 AOAC 2003.07		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2208350	10/07/22 AOAC 2014.05 (RAPID) ^P		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2208350	10/07/22 AOAC 2014.05 (RAPID) ^P		
Pseudomonas spp.	< LOQ		cfu/g	10	2208356	10/06/22 ISO 13720:1995		

Allergens

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Allergens: Gluten	< LOQ		mg/kg	5.0	2208699	10/13/22 AOAC 2012.01 ^P		

Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Arsenic	< LOQ	0.200	mg/kg	0.0734	2208488	10/06/22 AOAC 2013.06 (mod.) ^P	pass	
Cadmium	< LOQ	0.200	mg/kg	0.0734	2208488	10/06/22 AOAC 2013.06 (mod.) ^P	pass	
Lead	0.198	0.500	mg/kg	0.0734	2208488	10/06/22 AOAC 2013.06 (mod.) ^P	pass	
Mercury	< LOQ	0.100	mg/kg	0.0367	2208488	10/06/22 AOAC 2013.06 (mod.) ^P	pass	



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Received: 10/03/22 00:00

These test results are representative of the individual sample selected and submitted by the client.

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.

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

Units of Measure

cfu/g = Colony forming units per gram

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

% wt = $\mu\text{g/g}$ divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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ORELAP#: OR100028
Purchase Order:
Received: 10/03/22 00:00



Hemp
Food and Feed Chain of Custody
 Document Control ID: 2739 Revision: 1
 Effective: 05/07/2021



Company: <u>Danodan Hempworks</u> Contact: <u>Krista Skucas</u> Street: <u>6019 NE MLK Jr Blvd</u> City: <u>Portland</u> State: <u>OR</u> Zip: <u>97211</u> <input checked="" type="checkbox"/> Email Results: <u>krista@danodan.com</u> Phone: <u>(503) 254-3251</u> <input type="checkbox"/> Fax Results: () Billing (if different):			Testing Requested <table border="1"> <tr> <td>Gluten</td> <td>Heavy Metals</td> <td>Aerobic Plate Count</td> <td>E Coli</td> <td>Mold</td> <td>Yeast</td> <td>Staph</td> <td>Pseudomonas</td> </tr> </table>							Gluten	Heavy Metals	Aerobic Plate Count	E Coli	Mold	Yeast	Staph	Pseudomonas	DANODAN Hemp Works Project Number: _____ Project Name: _____ Report Instructions: _____ Turnaround time: <input type="checkbox"/> Standard <input type="checkbox"/> Rush <input type="checkbox"/> Priority Rush * *Ask for availability Sampled by: _____	
Gluten	Heavy Metals	Aerobic Plate Count	E Coli	Mold	Yeast	Staph	Pseudomonas												
Lab Smp#	Client Sample Identification	Date Collected	Gluten	Heavy Metals	Aerobic Plate Count	E Coli	Mold	Yeast	Staph	Pseudomonas	Sample Type	Comments							
	Recovery-02	10/3/22	✓	✓	✓	✓	✓	✓	✓	✓	fincture								
	"Moderate" Shot-10-13	10/3/22	✓	✓	✓	✓	✓	✓	✓	✓	fincture								
* Relinquished by (Signature)			Date	Time	Received by (Signature)			Date	Time	Lab Use Only									
<u>KSkucas</u>			10/3/22	12:15p	<u>JF</u>			10/3	12:14	<input type="checkbox"/> Shipped Via: _____ or <input checked="" type="checkbox"/> Client drop off Evidence of cooling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No - Temp (°C): <u>23.9</u> Sample in good condition: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Cash <input type="checkbox"/> Check <input type="checkbox"/> CC <input type="checkbox"/> Net: _____ Prelog storage: _____									

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the current terms of service. By signing "Relinquished by" you are agreeing to these terms

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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.