



ENHANCED 15-25 Duplicate

Sample ID: G4D0202-02

Matrix: Hemp Products

Test ID: 5034003

Source ID:

Date Sampled: 04/15/24

Date Accepted: 04/15/24

Harvest/Prod. Date: 04.10.2024

Danodan Hempworks

info@danodan.com

Primary and Duplicate Results at a Glance

	Averaged	Primary	Duplicate	%RPD (10% Action Level)
Total THC:	0.0326 %	0.0320 %	0.0332 %	3.68 % PASS
Total CBD:	1.371 %	1.367 %	1.375 %	0.584 % PASS



ENHANCED 15-25 Duplicate

Sample ID: G4D0202-02

Matrix: Hemp Products

Test ID: 5034003

Source ID:

Date Sampled: 04/15/24

Date Accepted: 04/15/24

Harvest/Prod. Date: 04.10.2024

Danodan Hempworks

info@danodan.com

Potency Analysis

Date/Time Extracted: 04/16/24 12:34

Analysis Method/SOP: 215

Batch Identification: 2416024

Cannabinoids	LOQ (%)	mg/g	mg/ml	Cannabinoids Profile
Total THC	0.0009	0.332	0.362	
Total CBD	0.0009	13.75	15.0	
THCA	0.0009	< LOQ	< LOQ	
delta 9-THC	0.0009	0.332	0.362	
delta 8-THC	0.0335	< LOQ	< LOQ	
THCV	0.0261	< LOQ	< LOQ	
THCVA	0.0391	< LOQ	< LOQ	
CBD	0.0009	13.75	15.0	
CBDA	0.0009	< LOQ	< LOQ	
CBDV	0.0269	< LOQ	< LOQ	
CBDVA	0.0369	< LOQ	< LOQ	
CBN	0.0242	< LOQ	< LOQ	
CBG	0.0281	< LOQ	< LOQ	
CBGA	0.0372	< LOQ	< LOQ	
CBC	0.0352	0.539	0.587	

Unit weight = 1.089 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.

THCA, delta 9-THC, delta 8-THC, CBDA and CBD are accredited by TNI 2016 and ISO 17025



Quality Control Potency

Batch: 2416024 - 215-Products

Blank(2416024-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0040	%		04/16/24 12:34	04/16/24 17:07	
delta 9-THC	< LOQ	0.0040	%		04/16/24 12:34	04/16/24 17:07	
delta 8-THC	< LOQ	0.1530	%		04/16/24 12:34	04/16/24 17:07	
THCV	< LOQ	0.1194	%		04/16/24 12:34	04/16/24 17:07	
THCVA	< LOQ	0.1787	%		04/16/24 12:34	04/16/24 17:07	
CBD	< LOQ	0.0040	%		04/16/24 12:34	04/16/24 17:07	
CBDA	< LOQ	0.0040	%		04/16/24 12:34	04/16/24 17:07	
CBDV	< LOQ	0.1229	%		04/16/24 12:34	04/16/24 17:07	
CBDVA	< LOQ	0.1688	%		04/16/24 12:34	04/16/24 17:07	
CBN	< LOQ	0.1103	%		04/16/24 12:34	04/16/24 17:07	
CBG	< LOQ	0.1283	%		04/16/24 12:34	04/16/24 17:07	
CBGA	< LOQ	0.1701	%		04/16/24 12:34	04/16/24 17:07	
CBC	< LOQ	0.1610	%		04/16/24 12:34	04/16/24 17:07	

Reference(2416024-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	94.4	0.0258	%	90-110	04/16/24 12:34	04/16/24 17:30	
delta 9-THC	109	0.0258	%	90-110	04/16/24 12:34	04/16/24 17:30	
delta 8-THC	92.3	0.9904	%	90-110	04/16/24 12:34	04/16/24 17:30	
CBD	103	0.0258	%	90-110	04/16/24 12:34	04/16/24 17:30	
CBDA	100	0.0258	%	90-110	04/16/24 12:34	04/16/24 17:30	



Notes and Definitions

Regulatory Compliance samples were collected onsite at facility according to SOP-402 and SOP-403 and following Sampling Plan FN117. Quality Control samples were tested as received.
Results do not include uncertainty of measurements. Available upon request.

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
C	manually for all samples.
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
TPP	recovery accuracy in Matrix Spike.
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



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



Report Number: 24-004060/D001.R000
Report Date: 04/19/2024
ORELAP#: OR100028
Purchase Order:
Received: 04/12/24 13:41

Customer: Danodan Hemp Works
Product identity: Enhanced 15-25
Client/Metric ID: .
Laboratory ID: 24-004060-0001

Summary

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.



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Report Number: 24-004060/D001.R000
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ORELAP#: OR100028
Purchase Order:
Received: 04/12/24 13:41

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

Product identity: Enhanced 15-25

Client/Metric ID: .

Sample Date:

Laboratory ID: 24-004060-0001

Evidence of Cooling: No

Temp: 25.6 °C

Sample Results

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aerobic Plate Count	< LOQ		cfu/g	10	2402802	04/15/24 AOAC 990.12 (Petrifilm)		
E.coli	< LOQ		cfu/g	10	2402800	04/15/24 AOAC 991.14 (Petrifilm)		
Total Coliforms	< LOQ		cfu/g	10	2402800	04/15/24 AOAC 991.14 (Petrifilm)		
Staphylococcus aureus	< LOQ		cfu/g	10	2402803	04/14/24 AOAC 2003.07		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2402801	04/16/24 AOAC 2014.05 (RAPID)		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2402801	04/16/24 AOAC 2014.05 (RAPID)		
Salmonella spp. by PCR [‡]	Negative		/25g		2402804	04/14/24 AOAC 2020.02 ^b		
Pseudomonas spp.	< LOQ		cfu/g	10	2402808	04/15/24 ISO 13720:1995		

Allergens

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Allergens: Gluten	< LOQ		mg/kg	5.0	2402918	04/17/24 AOAC 2012.01 ^b		

Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Arsenic [*]	< LOQ	0.200	mg/kg	0.0782	2402842	04/15/24 AOAC 2013.06 (mod.) ^b	pass	
Cadmium [*]	< LOQ	0.200	mg/kg	0.0782	2402842	04/15/24 AOAC 2013.06 (mod.) ^b	pass	
Lead [*]	< LOQ	0.500	mg/kg	0.0782	2402842	04/15/24 AOAC 2013.06 (mod.) ^b	pass	
Mercury [*]	< LOQ	0.100	mg/kg	0.0391	2402842	04/15/24 AOAC 2013.06 (mod.) ^b	pass	



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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

/25g = Per 25g

cfu/g = Colony forming units per gram

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

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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Hemp & Cannabis
Chain of Custody

Danodan-Hempworks-
1712862896

ORELAP ID: OR100028 ANAB ISO 17025 ID: AT1508

Project Details						Testing			
						N453T - Allergens: Gluten Allergens: Gluten	M190 - Enumeration of Pseudomonas spp.	H001B - Cannabis Heavy Metals Pro Ite OR	M5000 - Micro Pro Ite G
Company Details Company: <u>Danodan Hempworks</u> Contact: <u>Krista Skucas</u> Street Address: <u>6019 NE MLK Jr Blvd</u> City, State, Zip: <u>Portland, OR 97211</u> Email: <u>krista@danodan.com</u> Contact Phone: <u>360-281-3251</u> Billing Information Billing Email: <u>krista@danodan.com</u>						Turnaround Time: <u>5 Business Days Req. For Micro Testing Standard</u> Relinquishment Sampling, Courier & Shipping Options: <u>Drop Off at Laboratory</u> Compliance: <u>Compliance</u> License Type: <u>ODA</u> License #: <u>AG-R10581771HH</u> Cannabis Type (select if applicable): <u>Industrial</u> Additional Comments for Project: <u>please use CR limits for MOQ when testing for lead</u> Receipt Information Pre-Log Storage: <u>Canna Shelves</u> Sample Condition: <u>Satisfactory</u> Sample Condition Description: <u>6 bottles total</u>			
#	Sample Name	Material	Amount Provided	Specifications	Additional Test Requests and Sample Comments				
1	Enhanced 15-25	Cannabinoid Tincture	240 ml	density: 1.089 g/ml	N/A	✓	✓	✓	✓
2	Sleep-07	Cannabinoid Tincture	240 ml	density: 1.089 g/ml	N/A	✓	✓	✓	✓
3	Calm-07	Cannabinoid Tincture	240 ml	density: 1.089 g/ml	N/A	✓	✓	✓	✓

Relinquished By	Date	Time	Received By	Date	Time	Received Temp., °C	Evidence of Cooling?
<i>Krista M Skucas</i>	<i>04/11/2024</i>	<i>12:14</i>	<i>ont</i>	<i>04/12/2024</i>	<i>13:41</i>	<i>25.60</i>	<i>No</i>

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the [current terms of services](#) associated with this COC. 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.