



CALM-07 Duplicate

Sample ID: G4D0202-04 Matrix: Hemp Products

Test ID: 5034011

Source ID:

Date Sampled: 04/15/24 Date Accepted: 04/15/24

Harvest/Prod. Date: 04.11.2024

Danodan Hempworks
info@danodan.com

Primary and Duplicate Results at a Glance

	Averaged	Primary	Duplicate	%RPD (10% Action Level)
Total THC:	0.0286 %	0.0286 %	0.0286 %	0 % PASS
Total CBD:	1.313 %	1.296 %	1.329 %	2.51 % PASS



Nolan Mundie
Lab Director - 4/23/2024



CALM-07 Duplicate

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Source ID:

Date Sampled: 04/15/24 Date Accepted: 04/15/24

Harvest/Prod. Date: 04.11.2024

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	0.0010	0.286	0.311	<table border="1"> <tr><td>delta 9-THC</td><td>0.0</td></tr> <tr><td>CBD</td><td>1.3</td></tr> <tr><td>CBC</td><td>0.1</td></tr> <tr><td>Total:</td><td>1.4</td></tr> </table>	delta 9-THC	0.0	CBD	1.3	CBC	0.1	Total:	1.4
delta 9-THC	0.0											
CBD	1.3											
CBC	0.1											
Total:	1.4											
Total CBD	0.0010	13.29	14.5									
THCA	0.0010	< LOQ	< LOQ									
delta 9-THC	0.0010	0.286	0.311									
delta 8-THC	0.0374	< LOQ	< LOQ									
THCV	0.0292	< LOQ	< LOQ									
THCVA	0.0437	< LOQ	< LOQ									
CBD	0.0010	13.29	14.5									
CBDA	0.0010	< LOQ	< LOQ									
CBDV	0.0300	< LOQ	< LOQ									
CBDVA	0.0412	< LOQ	< LOQ									
CBN	0.0270	< LOQ	< LOQ									
CBG	0.0314	< LOQ	< LOQ									
CBGA	0.0416	< LOQ	< LOQ									
CBC	0.0393	0.511	0.556									

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



ISO 17025
ACCREDITED
LABORATORY

Nolan Mundie
Lab Director - 4/23/2024

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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	



Nolan Mundie
Lab Director - 4/23/2024

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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 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 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



Nolan Mundie
Lab Director - 4/23/2024

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



Report Number: 24-004060/D002.R000
Report Date: 04/19/2024
ORELAP#: OR100028
Purchase Order:
Received: 04/12/24 13:41

Customer: Danodan Hemp Works
Product identity: Sleep-07
Client/Metric ID: .
Laboratory ID: 24-004060-0002

Summary

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.



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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: Sleep-07

Client/Metric ID: .

Sample Date:

Laboratory ID: 24-004060-0002

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	0.0774	2402842	04/15/24 AOAC 2013.06 (mod.) ^b	pass	
Cadmium [‡]	< LOQ	0.200	mg/kg	0.0774	2402842	04/15/24 AOAC 2013.06 (mod.) ^b	pass	
Lead [‡]	< LOQ	0.500	mg/kg	0.0774	2402842	04/15/24 AOAC 2013.06 (mod.) ^b	pass	
Mercury [‡]	< LOQ	0.100	mg/kg	0.0387	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: **OR1000028** ANAB ISO 17025 ID: **ATT1508**

						Testing											
						N453T - Allergens: Gluten Allergens: Gluten	M190 - Enumeration of Pseudomonas spp.	H0013 - Cannabis Heavy Metals Profile OR	M5000 - Micro Profile 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>						Project Details 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-R1058177IHH</u> Cannabis Type (select if applicable): <u>Industrial</u> Additional Comments for Project: <u>please use OR 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.

Columbia Laboratories
12423 NE Whitaker Way
Portland, OR 97230

P: (503) 254-1794
info@columbialaboratories.com

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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.