

HOW TO READ OUR CERTIFICATE OF ANALYSIS (COA)

Using Lightscale Labs, we perform all tests required under state law for recreational cannabis, medical cannabis, and industrial hemp. Chromatography is used for all required tests, a technique where liquid or gas separates different cannabinoids, pesticides, and residual solvents so that each can be identified and measured precisely.

PAGE I CANNABINOID POTENCY



Here you can see the dates related to this particular batch of product, including when it was processed, sampled, analyzed, and when the report was finished.



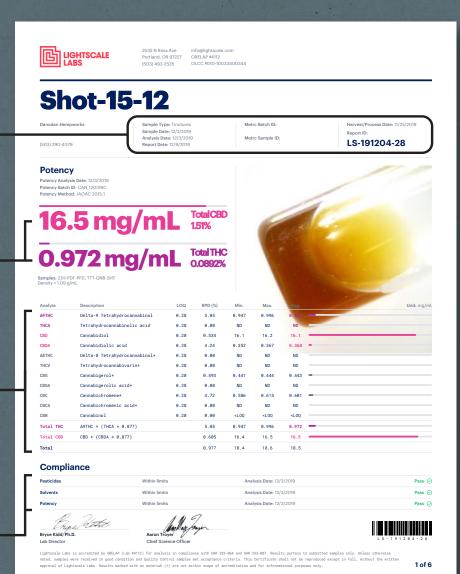
Total CBD and THC content in mg/ml and percentage.



Δ9-THC, THCA, CBD, CBDA, and CBN in accordance with OAR 333-007-0430, plus minor cannabinoids.



PASS or FAIL results for Pesticides, Solvents, and Potency within this COA.





HOW TO READ OUR CERTIFICATE OF ANALYSIS (COA)

PAGE 2-3 PESTICIDE DATA



All cannabis must be tested for the presence of a number of different contaminants, including pesticides. Danodan uses hemp that is grown using organic techniques, ensuring we use only the purest, cleanest hemp.



PAGE 4-5 **RESIDUAL SOLVENT DATA**



Certain solvents can be harmful to human health and safety if they remain in the final product. If a producer uses a solvent or concentrate in their product, thorough testing is required to ensure that potential residual amounts are below recognized safety limits. Danodan uses a high-purity concentrate in our yellow and red label products, so Residual Solvent testing is required. Our blue label products do not use any solvents or concentrates; therefore, no Residual Solvent testing is needed for blue label products.



LOQ - (Limit of Quantitation):

The lowest quantity of a substance that can be reliably measured. If a product measures <LOQ, that means that the substance was detected, but at levels below which it can be accurately measured. This is different from ND, which means that none of that substance was detected.

RPD (%) - Relative Percent Difference:

Each sample we send to the lab is tested multiple times, and the results of the various tests are averaged to give the final results. RPD represents the average variation in measurement of a certain substance between multiple rounds of testing



Calm-06

Danodan Hempworks AG-R1058177IHH 6019 NE MLK JR. BLVD. PORTLAND, OR 97217 360-281-3251 Harvest/Process Date: 6/1/2023 Sample Date: 6/2/2023 Analysis Date: 6/15/2023

Report Date: 6/19/2023 Report ID: LS-230606-8 Client Batch ID: Metrc Batch ID:

Metrc Sample ID:

Sample Type: Tinctures
Sample Plan:

MB-FM-JB-WN_20230602_2B Sample Procedure:

160721_LAB-SOP_SampleCollection-v010

Potency

Potency Analysis Date: 6/15/2023 Potency Batch ID:CAN_061623A Potency Method: JAOAC 2015.1

Unit Potency:

30 ml retail unit, 1.089 g/mL density 18.03 mg THC/456.5 mg CBD per retail unit 1.2 mg THC per 2.0 ml serving 30.43 mg CBD per 2.0 ml serving

15.2 mg/mL

Total CBD 1.40%

0.601 mg/mL

Total THC 0.0552%

Samples: DGH-MJN-MSW, CMG-GMX-PGN



Analyte	Description	LOQ	RPD (%)	Min.	Max.	Avg.	Unit: mg/mL
Д9ТНС	Delta-9 Tetrahydrocannabinol	0.054	1.45	0.597	0.605	0.601	•
THCA	Tetrahydrocannabinolic acid	0.054	0.00	ND	ND	ND	
CBD	Cannabidiol	0.054	3.10	14.7	15.1	14.9	
CBDA	Cannabidiolic acid	0.054	3.38	0.317	0.328	0.322	•
Δ8ΤΗC	Delta-8 Tetrahydrocannabinol	0.054	0.00	ND	ND	ND	
THCV	Tetrahydrocannabivarin*	0.054	0.00	ND	ND	ND	
CBG	Cannabigerol*	0.054	2.16	0.500	0.511	0.505	•
CBGA	Cannabigerolic acid*	0.054	0.00	ND	ND	ND	
CBC	Cannabichromene*	0.054	2.61	0.783	0.804	0.794	-
CBCA	Cannabichromenic acid*	0.054	0.00	ND	ND	ND	
CBN	Cannabinol*	0.054	0.00	0.107	0.107	0.107	•
THCVA	Tetrahydrocannabivarinic acid*	0.054	0.00	ND	ND	ND	
CBDVA	Cannabidivarinic acid*	0.054	0.00	ND	ND	ND	
CBDV	Cannabidivarin*	0.054	109	ND	0.185	0.0926	•
CBNA	Cannabinolic acid*	0.054	0.00	ND	ND	ND	
CBL	Cannabicyclol*	0.054	0.00	ND	ND	ND	
Total THC	Δ9THC + (THCA × 0.877)		1.45	0.597	0.605	0.601	-
Total CBD	CBD + (CBDA × 0.877)		3.10	15.0	15.5	15.2	
Total			4.03	17.0	17.8	17.3	

Compliance

Potency Within limits Analysis Date: 6/15/2023 Pass ⊙

Aaron Troyer Chief Science Officer



Lightscale Labs is accredited by ORELAP (Lab #4112) for analysis in compliance with OAR 333-064 and OAR 333-007. Results pertain to submitted samples only. Unless otherwise noted, samples were received in good condition and Quality Control samples met acceptance criteria. This Certificate shall not be reproduced except in full, without the written approval of Lightscale Labs. Results marked with an asterisk (*) are not within scope of accreditation and for informational purposes only.



Calm-06

Danodan Hempworks AG-R1058177IHH 6019 NE MLK JR. BLVD. PORTLAND, OR 97217 360-281-3251

Harvest/Process Date: 6/1/2023 Sample Date: 6/2/2023 Analysis Date: 6/15/2023

Report Date: 6/19/2023 Report ID: LS-230606-8

(503) 493-2535

Client Batch ID: Metrc Batch ID:

Metrc Sample ID:

Sample Type: Tinctures

Sample Plan:

MB-FM-JB-WN_20230602_2B

Sample Procedure:

160721_LAB-SOP_SampleCollection-v010

Potency Quality Control Data Potency QC Analysis Date: 6/15/2023 Potency QC Batch ID: CAN_061623A

Method: JAOAC 2015.1 Unit: µg/g (ppm)

Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
Δ9ΤΗC	ND	0.050	132.6	124.2	107	90 - 110	
THCA	ND	0.050	84.41	79.36	106	90 - 110	
CBD	ND	0.050	157.9	148.6	106	90 - 110	
CBDA	ND	0.050	86.08	81.40	106	90 - 110	
Δ8ΤΗC	ND	0.050	11.49	11.60	99.0	90 - 110	

POTENCY - LIMIT OF DETECTION

Verified: 060221

Method: 160819_LAB-SOP_MethodValidation-CannabinoidPotency-v002.docx

Matrix	Analyte	LOD (ppm)	LOD (mg/g)
EXTRACT	Δ9ΤΗC	2.8	0.0028
	THCA	0.56	0.00056
	CBD	2.22	0.00222
	CBDA	0.52	0.00052
FLOWER	Δ9ΤΗC	1.88	0.00188
	THCA	5.32	0.00532
	CBD	1.31	0.00131
	CBDA	0.78	0.00078



Calm-06

Danodan Hempworks AG-R1058177IHH 6019 NE MLK JR. BLVD. PORTLAND, OR 97217 360-281-3251 Harvest/Process Date: 6/1/2023 Sample Date: 6/2/2023 Analysis Date: 6/15/2023 Report Date: 6/19/2023 Report ID: LS-230606-8 Client Batch ID: Metrc Batch ID:

Metrc Sample ID:

Sample Type: Tinctures
Sample Plan:
MB-FM-JB-WN_20230602_2B
Sample Procedure:
160721_LAB-SOP_SampleCollection-v010

Qualifier Flag Descriptions

- J Reported result is an estimate the value is less than the minimum calibration level but greater than the estimated detection limit (EDL)
- U The analyte was not detected in the sample at the estimated detection limit (EDL)
- E Exceeds calibration range
- D Dilution data result was obtained from the analysis of a dilution
- B Analyte found in sample and associated blank
- C Co-eluting compound
- R Relative Percent Difference (RPD) outside control limits
- NR Analyte not reported because of problems in sample preparation or analysis
- ND Non-Detect
- X Results from reinjection/repeat/re-column data
- EMC Estimated maximum possible concentration indicates that a peak is detected but did not meet the method required criteria
- M Manual integration
- PS Peaks split
- HB Control acceptance criteria are exceeded high and the associated sample is below the detection limit
- LB Control acceptance criteria are exceeded low and the associated sample exceeds the regulatory limit
- ME Marginal Exceedance
- LR Low Recovery Analyte
- LOQ Limit of Quantitation





Report Number: 23-006588/D004.R000

Report Date: 06/15/2023 ORELAP#: OR100028

Purchase Order:

06/02/23 15:25 Received:

Customer: Danodan Hemp Works

Product identity: Calm-06

Client/Metrc ID:

Laboratory ID: 23-006588-0002

Summary
Metals:
Less than LOQ for all analytes.
Microbiology:
Less than LOQ for all analytes.





Report Number: 23-006588/D004.R000

Report Date: 06/15/2023 **ORELAP#:** OR100028

Purchase Order:

Received: 06/02/23 15:25

Customer: Danodan Hemp Works

6019 NE MLK Jr Blvd Portland Oregon 97211

United States of America (USA)

Product identity: Calm-06

Client/Metrc ID:

Sample Date:

Microbiology

Laboratory ID: 23-006588-0002

Evidence of Cooling: No
Temp: 26.3
Relinquished by: client

Sample Results

Microbiology							
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status Notes
Aerobic Plate Count	<loq< td=""><td></td><td>cfu/g</td><td>10</td><td>2307878</td><td>06/05/23 AOAC 990.12 (Petrifilm)^b</td><td></td></loq<>		cfu/g	10	2307878	06/05/23 AOAC 990.12 (Petrifilm) ^b	
E.coli	< LOQ		cfu/g	10	2307876	06/05/23 AOAC 991.14 (Petrifilm) ^p	
Total Coliforms	< LOQ		cfu/g	10	2307876	06/05/23 AOAC 991.14 (Petrifilm) ^p	
Staphylococcus aureus	<loq< td=""><td></td><td>cfu/g</td><td>10</td><td>2307879</td><td>06/04/23 AOAC 2003.07</td><td></td></loq<>		cfu/g	10	2307879	06/04/23 AOAC 2003.07	
Mold (RAPID Petrifilm)	<loq< td=""><td></td><td>cfu/g</td><td>10</td><td>2307877</td><td>06/05/23 AOAC 2014.05 (RAPID)^þ</td><td></td></loq<>		cfu/g	10	2307877	06/05/23 AOAC 2014.05 (RAPID) ^þ	
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2307877	06/05/23 AOAC 2014.05 (RAPID) ^b	
Pseudomonas spp.	<loq< td=""><td></td><td>cfu/g</td><td>10</td><td>2307883</td><td>06/05/23 ISO 13720:1995</td><td></td></loq<>		cfu/g	10	2307883	06/05/23 ISO 13720:1995	
Allergens							
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status Notes
•					2307922	06/05/23 AOAC 2012.01 ^b	0.0.00
Allergens: Gluten	<loq< td=""><td></td><td>mg/kg</td><td>5.0</td><td>2307922</td><td>06/05/23 AOAC 2012.01P</td><td></td></loq<>		mg/kg	5.0	2307922	06/05/23 AOAC 2012.01P	
Metals							
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status Notes
Arsenic*	<loq< td=""><td>0.200</td><td>mg/kg</td><td>0.0877</td><td>2307999</td><td>06/07/23 AOAC 2013.06 (mod.)^b</td><td>pass</td></loq<>	0.200	mg/kg	0.0877	2307999	06/07/23 AOAC 2013.06 (mod.) ^b	pass
Cadmium¥	<loq< td=""><td>0.200</td><td>mg/kg</td><td>0.0877</td><td>2307999</td><td>06/07/23 AOAC 2013.06 (mod.)^p</td><td>pass</td></loq<>	0.200	mg/kg	0.0877	2307999	06/07/23 AOAC 2013.06 (mod.) ^p	pass
Lead [¥]	< LOQ	0.500	mg/kg	0.2000	2308053	06/14/23 AOAC 2013.06 (mod.) ^p	pass
Mercury¥	< LOQ	0.100	mg/kg	0.0438	2307999	06/07/23 AOAC 2013.06 (mod.) ^b	pass





Report Number: 23-006588/D004.R000

Report Date: 06/15/2023 **ORELAP#:** OR100028

Purchase Order:

Received: 06/02/23 15:25

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.

p = ISO/IEC 17025:2017 accredited method.

* = TNI accredited analyte.

Units of Measure

cfu/g = Colony forming units per gram mg/kg = Milligram per kilogram = parts per million (ppm) % wt = μ g/g divided by 10,000

Approved Signatory

Derrick Tanner General Manager





Report Number: 23-006588/D004.R000

Report Date: 06/15/2023 ORELAP#: OR100028

Purchase Order:

Received: 06/02/23 15:25







Report Number: 23-006588/D004.R000

Report Date: 06/15/2023 ORELAP#: OR100028

Purchase Order:

Received: 06/02/23 15:25

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	Quantitaion level raised due to matrix interference.					
В	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.					