

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.

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.





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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-03

Danodan Hempworks AG-R10581771HH 6019 NE MLK JR. BLVD. PORTLAND, OR 97217 (503) 290-4079

Harvest/Process Date: 1/27/2022 Sample Date: 2/1/2022

Analysis Date: 2/3/2022 Report Date: 2/7/2022 Report ID: LS-220207-15

Client Batch ID: Calm-03 Metrc Batch ID:

Metrc Sample ID:

Sample Type: Tinctures Sample Plan: WW-MG-FC-ZT_20220201_2B

Sample Procedure:

160721_LAB-SOP_SampleCollection-v010

Potency

Potency Analysis Date: 2/3/2022 Potency Batch ID:CAN_020322C Potency Method: JAOAC 2015.1

Unit Potency: 30 ml retail unit 1.04 mg THC per 2.0 ml serving 31.11 mg CBD per 2.0 ml serving

15.6 mg/mL

Total CBD 1.43%

0.518 mg/mL

Total THC 0.0476%

Samples: TRT-NHZ-JWD, GST-NSH-MNJ



Analyte	Description	LOQ	RPD (%)	Min.	Max.	Avg.	Unit: mg/mL
Д9ТНС	Delta-9 Tetrahydrocannabinol	0.011	0.631	0.516	0.519	0.518	•
THCA	Tetrahydrocannabinolic acid	0.011	0.00	ND	ND	ND	
CBD	Cannabidiol	0.011	0.00708	15.4	15.4	15.4	
CBDA	Cannabidiolic acid	0.011	0.00	0.209	0.209	0.209	•
Δ8ΤΗC	Delta-8 Tetrahydrocannabinol*	0.011	0.00	ND	ND	ND	
THCV	Tetrahydrocannabivarin*	0.011	0.00	ND	ND	ND	
CBG	Cannabigerol*	0.011	3.78	0.395	0.411	0.403	•
CBGA	Cannabigerolic acid*	0.011	0.00	ND	ND	ND	
CBC	Cannabichromene*	0.011	0.837	0.648	0.653	0.651	-
CBCA	Cannabichromenic acid*	0.011	0.00	ND	ND	ND	
CBN	Cannabinol*	0.011	0.00	0.0185	0.0185	0.0185	•
Total THC	Δ9THC + (THCA × 0.877)		0.631	0.516	0.519	0.518	•
Total CBD	CBD + (CBDA × 0.877)		0.00700	15.6	15.6	15.6	
Total			0.0317	17.2	17.2	17.2	

Compliance

Potency Within limits Analysis Date: 2/3/2022 Pass 🕝

Aaron Trover Chief Science Officer





Calm-03

Danodan Hempworks AG-R10581771HH 6019 NE MLK JR. BLVD. PORTLAND, OR 97217 (503) 290-4079 Harvest/Process Date: 1/27/2022

Sample Date: 2/1/2022 Analysis Date: 2/3/2022 Report Date: 2/7/2022 Report ID: LS-220207-15 Client Batch ID: Calm-03

Metrc Batch ID:

Metrc Sample ID:

Sample Type: Tinctures

Sample Plan:

WW-MG-FC-ZT_20220201_2B

Sample Procedure:

160721_LAB-SOP_SampleCollection-v010

Potency
Quality Control Data

Potency QC Analysis Date: 2/3/2022 Potency QC Batch ID: CAN_020322C Method: JAOAC 2015.1 Unit: μg/g (ppm)

Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
Δ9ΤΗC	ND	0.011	21.4	21.0	102	80 - 120	
THCA	ND	0.011	20.7	21.4	96.6	80 - 120	
CBD	ND	0.011	22.9	23.0	99.4	80 - 120	
CBDA	ND	0.011	18.1	19.5	92.8	80 - 120	

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-03

Danodan Hempworks AG-R10581771HH 6019 NE MLK JR. BLVD. PORTLAND, OR 97217 (503) 290-4079

В

Harvest/Process Date: 1/27/2022 Sample Date: 2/1/2022 Analysis Date: 2/3/2022 Report Date: 2/7/2022 Report ID: LS-220207-15

Client Batch ID: Calm-03 Metrc Batch ID:

Metrc Sample ID:

Sample Type: Tinctures
Sample Plan:
WW-MG-FC-ZT_20220201_2B
Sample Procedure:
160721_LAB-SOP_SampleCollection-v010

Qualifier Flag Descriptions

- A 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
- C Co-eluting compound
- R Relative Percent Difference (RPD) outside control limits

Analyte found in sample and associated blank

- 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