

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.



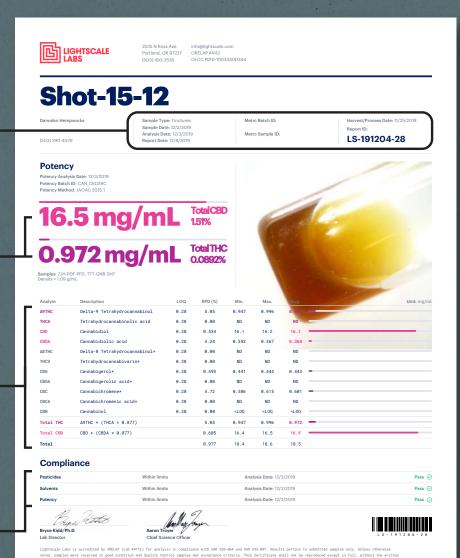
Total CBD and THC content in mg/ml and percentage.



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.





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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



IB-36

Danodan Hempworks 6019 NF MI K JR, BI VD. PORTLAND, OR 97217 (503) 290-4079

Sample Type: Tinctures Sample Date: 6/30/2021 Analysis Date: 7/1/2021 Report Date: 7/7/2021 Client ID: PST-XNW

ODA: AG-R1058177IHH Metrc Batch ID:

Metrc Sample ID:

Harvest/Process Date: 4/20/2021 Report ID: LS-210707-4 Sample Plan: ZN-ZN-JM-NN_20210630_1A Sample Procedure: 160721_LAB-SOP_SampleCollection-v010

Potency

Potency Analysis Date: 7/1/2021 Potency Batch ID: CAN_070121A Potency Method: JAOAC 2015.1

3.93 mg/mL

Total CBD 0.346%

0.0398 mg/mL Samples: WCX-DMJ-ZMZ, MFR-ZRT-STR

Total THC 0.00350%



Analyte	Description	LOQ	RPD (%)	Min.	Max.	Avg.	
Д9ТНС	Delta-9 Tetrahydrocannabinol	0.0057	17.1	0.0364	0.0432	0.0398	
THCA	Tetrahydrocannabinolic acid	0.0057	0.00	ND	ND	ND	
CBD	Cannabidiol	0.0057	0.356	3.51	3.52	3.51	
CBDA	Cannabidiolic acid	0.0057	0.964	0.470	0.474	0.472	
Δ8ΤΗC	Delta-8 Tetrahydrocannabinol*	0.0057	0.00	ND	ND	ND	
THCV	Tetrahydrocannabivarin*	0.0057	0.00	ND	ND	ND	•
CBG	Cannabigerol*	0.0057	0.00	0.0341	0.0341	0.0341	•
CBGA	Cannabigerolic acid*	0.0057	0.00	ND	ND	ND	
CBC	Cannabichromene*	0.0057	12.1	0.106	0.119	0.113	-
CBCA	Cannabichromenic acid*	0.0057	0.00	ND	ND	ND	
CBN	Cannabinol*	0.0057	11.8	0.00910	0.0102	0.00966	•
Total THC	Δ9THC + (THCA × 0.877)		17.1	0.0364	0.0432	0.0398	•
Total CBD	CBD + (CBDA × 0.877)		0.217	3.92	3.93	3.93	
Total			0.326	4.16	4.21	4.18	

Compliance

Pesticides	Within limits	Analysis Date: 7/1/2021	Pass 🕢
Potency	Within limits	Analysis Date: 7/1/2021	Pass 🔗

Prize Metros Bryce Kidd, Ph.D. Lab Director

Chief Science Officer



IB-36

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

Sample Type: Tinctures Sample Date: 6/30/2021 Analysis Date: 7/1/2021 Report Date: 7/7/2021 Client ID: PST-XNW

ODA: AG-R1058177IHH Metrc Batch ID:

Metrc Sample ID:

Harvest/Process Date: 4/20/2021 Report ID: LS-210707-4

Sample Plan: ZN-ZN-JM-NN_20210630_1A

Sample Procedure: 160721_LAB-

SOP_SampleCollection-v010

Potency
Potency Quality Control Data

Potency QC Analysis Date: 7/1/2021 Potency QC Batch ID: CAN_070121A Method: JAOAC 2015.1 Unit: mg/g (ppm)

Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
Δ9ΤΗC	ND	0.0057	19.8	19.1	104	80 - 120	
THCA	ND	0.0057	19.6	19.2	102	80 - 120	
CBD	ND	0.0057	25.8	24.6	105	80 - 120	
CBDA	ND	0.0057	21.2	21.2	100	80 - 120	



Danodan Hempworks 6019 NE MLK JR. BLVD. PORTLAND, OR 97217 (503) 290-4079 Sample Type: Tinctures Sample Date: 6/30/2021 Analysis Date: 7/1/2021 Report Date: 7/7/2021 Client ID: PST-XNW ODA: AG-R1058177IHH Metrc Batch ID:

Metrc Sample ID:

Harvest/Process Date: 4/20/2021

Report ID: LS-210707-4

Sample Plan: ZN-ZN-JM-NN_20210630_1A

Sample Procedure: 160721_LAB-SOP_SampleCollection-v010

Pesticides
Sample Data

Pesticides Analysis Date: 7/1/2021 Pesticides Batch IDs: PST_070121B_1, PST_070121A_1

Unit: μ g/g (ppm) Pass \bigcirc Method: AOAC 2007.01 & EN 15662

Analyte	WCX-DMJ-ZMZ	MFR-ZRT-STR	Limits	LOQ	Notes	Status
Abamectin	ND	ND	0.5	0.4		Pass
Acephate	ND	ND	0.4	0.2		Pass
Acequinocyl	ND	ND	2.0	0.2		Pass
Acetamiprid	ND	ND	0.2	0.2		Pass
Aldicarb	ND	ND	0.4	0.2		Pass
Azoxystrobin	ND	ND	0.2	0.2		Pass
Bifenazate	ND	ND	0.2	0.2		Pass
Bifenthrin	ND	ND	0.2	0.2		Pass
Boscalid	ND	ND	0.4	0.2		Pass
Carbaryl	ND	ND	0.2	0.2		Pass
Carbofuran	ND	ND	0.2	0.2		Pass
Chlorantraniliprole	ND	ND	0.2	0.2		Pass
Chlorfenapyr	ND	ND	1.0	1.0		Pass
Chlorpyrifos	ND	ND	0.2	0.2		Pass
Clofentezine	ND	ND	0.2	0.2		Pass
Cyfluthrin	ND	ND	1.0	1.0		Pass
Cypermethrin	ND	ND	1.0	1.0		Pass
Daminozide	ND	ND	1.0	0.4		Pass
Diazinon	ND	ND	0.2	0.2		Pass
Dichlorvos (DDVP)	ND	ND	1.0	0.2		Pass
Dimethoate	ND	ND	0.2	0.2		Pass
Ethoprophos	ND	ND	0.2	0.2		Pass
Etofenprox	ND	ND	0.4	0.2		Pass
Etoxazole	ND	ND	0.2	0.2		Pass
Fenoxycarb	ND	ND	0.2	0.2		Pass
Fenpyroximate	ND	ND	0.4	0.2		Pass
Fipronil	ND	ND	0.4	0.2		Pass
Flonicamid	ND	ND	1.0	0.2		Pass
Fludioxonil	ND	ND	0.4	0.4		Pass
Hexythiazox	ND	ND	1.0	0.2		Pass
Imazalil	ND	ND	0.2	0.2		Pass
Imidacloprid	ND	ND	0.4	0.2		Pass
Kresoxim-methyl	ND	ND	0.4	0.4		Pass
Malathion	ND	ND	0.2	0.2		Pass

Analyte	WCX-DMJ-ZMZ	MFR-ZRT-STR	Limits	LOQ	Notes	Status
Metalaxyl	ND	ND	0.2	0.2		Pass
Methiocarb	ND	ND	0.2	0.2		Pass
Methomyl	ND	ND	0.4	0.2		Pass
Methyl Parathion	ND	ND	0.2	0.2		Pass
MGK-264	ND	ND	0.2	0.2		Pass
Myclobutanil	ND	ND	0.2	0.2		Pass
Naled	ND	ND	0.5	0.4		Pass
Oxamyl	ND	ND	1.0	0.2		Pass
Paclobutrazol	ND	ND	0.4	0.2		Pass
Permethrins	ND	ND	0.2	0.2		Pass
Phosmet	ND	ND	0.2	0.2		Pass
Piperonyl Butoxide	ND	ND	2.0	0.2		Pass
Prallethrin	ND	ND	0.2	0.2		Pass
Propiconazole	ND	ND	0.4	0.2		Pass
Propoxur	ND	ND	0.2	0.2		Pass
Pyrethrins	ND	ND	1.0	1.0		Pass
Pyridaben	ND	ND	0.2	0.2		Pass
Spinosad	ND	ND	0.2	0.2		Pass
Spiromesifen	ND	ND	0.2	0.2		Pass
Spirotetramat	ND	ND	0.2	0.2		Pass
Spiroxamine	ND	ND	0.4	0.2		Pass
Tebuconazole	ND	ND	0.4	0.2		Pass
Thiacloprid	ND	ND	0.2	0.2		Pass
Thiamethoxam	ND	ND	0.2	0.2		Pass
Trifloxystrobin	ND	ND	0.2	0.2		Pass



Danodan Hempworks 6019 NE MLK JR. BLVD. PORTLAND, OR 97217 (503) 290-4079 Sample Type: Tinctures Sample Date: 6/30/2021 Analysis Date: 7/1/2021 Report Date: 7/7/2021 Client ID: PST-XNW ODA: AG-R1058177IHH Metrc Batch ID:

Metrc Sample ID:

Harvest/Process Date: 4/20/2021 Report ID: LS-210707-4

Sample Plan: ZN-ZN-JM-NN_20210630_1A

Sample Procedure: 160721_LAB-SOP_SampleCollection-v010

Pesticides
Quality Control Data

Pesticides QC Analysis Date: 7/1/2021 Pesticides Batch ID: PST_070121A_1 Unit: µg/g (ppm)

Method: AOAC 2007.01 & EN 15662

 Analyte
 Blank
 LOQ
 LCS
 LCS Spike
 LCS Rec (%)
 Limits (%)
 Notes

 Methyl Parathion
 ND
 0.002
 0.0106
 0.0100
 106
 50 - 150

Analyte Blank LOQ LCS LCS Spike LCS Rec (%) Limits (%) Notes



Danodan Hempworks 6019 NE MLK JR. BLVD. PORTLAND, OR 97217 (503) 290-4079 Sample Type: Tinctures Sample Date: 6/30/2021 Analysis Date: 7/1/2021 Report Date: 7/7/2021 Client ID: PST-XNW ODA: AG-R1058177IHH Metrc Batch ID:

Metrc Sample ID:

Harvest/Process Date: 4/20/2021

Report ID: LS-210707-4

Sample Plan: ZN-ZN-JM-NN_20210630_1A

Sample Procedure: 160721_LAB-SOP_SampleCollection-v010

Pesticides Quality Control Data

Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
Abamectin	ND	0.002	0.0531	0.0500	106	50 - 150	
Acephate	ND	0.002	0.0506	0.0500	101	50 - 150	
Acequinocyl	ND	0.002	0.0431	0.0500	86.2	50 - 150	
Acetamiprid	ND	0.002	0.0527	0.0500	105	50 - 150	
Aldicarb	ND	0.002	0.0529	0.0500	106	50 - 150	
Azoxystrobin	ND	0.002	0.0412	0.0500	82.4	50 - 150	
Bifenazate	ND	0.002	0.0598	0.0500	120	50 - 150	
Bifenthrin	ND	0.002	0.0464	0.0500	92.9	50 - 150	
Boscalid	ND	0.002	0.0516	0.0500	103	50 - 150	
Carbaryl	ND	0.002	0.0480	0.0500	96.0	50 - 150	
Carbofuran	ND	0.002	0.0536	0.0500	107	50 - 150	
${\tt Chlorantraniliprole}$	ND	0.002	0.0495	0.0500	99.0	50 - 150	
Chlorfenapyr	ND	0.002	0.0453	0.0500	90.5	50 - 150	
Chlorpyrifos	ND	0.002	0.0451	0.0500	90.2	50 - 150	
Clofentezine	ND	0.002	0.0545	0.0500	109	50 - 150	
Cyfluthrin	ND	0.002	0.0424	0.0500	84.9	50 - 150	
Cypermethrin	ND	0.002	0.0543	0.0500	109	50 - 150	
Daminozide	ND	0.002	0.0567	0.0500	113	10 - 150	
Diazinon	ND	0.002	0.0561	0.0500	112	50 - 150	
Dichlorvos (DDVP)	ND	0.002	0.0494	0.0500	98.8	50 - 150	
Dimethoate	ND	0.002	0.0504	0.0500	101	50 - 150	
Ethoprophos	ND	0.002	0.0558	0.0500	112	50 - 150	
Etofenprox	ND	0.002	0.0360	0.0500	71.9	50 - 150	
Etoxazole	ND	0.002	0.0473	0.0500	94.6	50 - 150	
Fenoxycarb	ND	0.002	0.0503	0.0500	101	50 - 150	
Fenpyroximate	ND	0.002	0.0507	0.0500	101	50 - 150	
Fipronil	ND	0.002	0.0534	0.0500	107	50 - 150	
Flonicamid	ND	0.002	0.0481	0.0500	96.2	50 - 150	
Fludioxonil	ND	0.002	0.0514	0.0500	103	50 - 150	
Hexythiazox	ND	0.002	0.0517	0.0500	103	50 - 150	
Imazalil	ND	0.002	0.0574	0.0500	115	50 - 150	
Imidacloprid	ND	0.002	0.0532	0.0500	106	50 - 150	
Kresoxim-methyl	ND	0.002	0.0489	0.0500	97.9	50 - 150	
Malathion	ND	0.002	0.0508	0.0500	102	50 - 150	

Pesticides QC Analysis Date: 7/1/2021 Pesticides Batch ID: PST_070121B_1 Unit: µg/g (ppm)

Method: AOAC 2007.01 & EN 15662

Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
Metalaxyl	ND	0.002	0.0570	0.0500	114	50 - 150	
Methiocarb	ND	0.002	0.0526	0.0500	105	50 - 150	
Methomyl	ND	0.002	0.0548	0.0500	110	50 - 150	
MGK-264	ND	0.002	0.0573	0.0500	115	50 - 150	
Myclobutanil	ND	0.002	0.0529	0.0500	106	50 - 150	
Naled	ND	0.002	0.0521	0.0500	104	50 - 150	
0xamy1	ND	0.002	0.0520	0.0500	104	50 - 150	
Paclobutrazol	ND	0.002	0.0561	0.0500	112	50 - 150	
Permethrins	ND	0.002	0.0516	0.0500	103	50 - 150	
Phosmet	ND	0.002	0.0455	0.0500	91.0	50 - 150	
Piperonyl Butoxide	ND	0.002	0.0441	0.0500	88.1	50 - 150	
Prallethrin	ND	0.002	0.0559	0.0500	112	50 - 150	
Propiconazole	ND	0.002	0.0540	0.0500	108	50 - 150	
Propoxur	ND	0.002	0.0548	0.0500	110	50 - 150	
Pyrethrins	ND	0.002	0.0512	0.0500	102	50 - 150	
Pyridaben	ND	0.002	0.0456	0.0500	91.2	50 - 150	
Spinosad	ND	0.002	0.0495	0.0500	99.0	50 - 150	
Spiromesifen	ND	0.002	0.0543	0.0500	109	50 - 150	
Spirotetramat	ND	0.002	0.0531	0.0500	106	50 - 150	
Spiroxamine	ND	0.002	0.0566	0.0500	113	50 - 150	
Tebuconazole	ND	0.002	0.0543	0.0500	109	50 - 150	
Thiacloprid	ND	0.002	0.0423	0.0500	84.6	50 - 150	
Thiamethoxam	ND	0.002	0.0524	0.0500	105	50 - 150	
Trifloxystrobin	ND	0.002	0.0506	0.0500	101	50 - 150	



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Metrc Sample ID:

Harvest/Process Date: 4/20/2021 Report ID: LS-210707-4

Sample Plan: ZN-ZN-JM-NN_20210630_1A

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
В	Analyte found in sample and associated blank
С	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
М	Manual integration
PS	Peaks split
НВ	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