

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



TEST & HARVEST DATES

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.



CBD & THC CONTENT

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



MAJOR & MINOR CANNABINOIDS

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



CHECKLIST RESULTS

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



2535 N Ross Ave
Portland, OR 97227
(503) 493-2535
info@lightscale.com
ORELAP #4112
OLCC #010-10033400344

Shot-15-12

Danodan Hempworks

Sample Type: Tinctures
Sample Date: 12/2/2019
Analysis Date: 12/3/2019
Report Date: 12/9/2019

Metro Batch ID:

Metro Sample ID:

Harvest/Process Date: 11/25/2019

Report ID:

LS-191204-28

(503) 290-4079

Potency

Potency Analysis Date: 12/3/2019
Sample Batch ID: CAN_120319C
Potency Method: JADAC 2015.1

16.5 mg/mL Total CBD
1.51%

0.972 mg/mL Total THC
0.0892%

Samples: ZJH-PDF-PFD, TTT-GNB-SHT
Density = 1.09 g/mL



Analyte	Description	LOQ	RPD (%)	Min.	Max.	Avg.	Unit: mg/mL
Δ9THC	Delta-9 Tetrahydrocannabinol	0.28	5.85	0.947	0.996	0.972	
THCA	Tetrahydrocannabinolic acid	0.28	0.80	ND	ND	ND	
CBD	Cannabidiol	0.28	0.534	16.1	16.2	16.1	
CBDA	Cannabidiolic acid	0.28	4.24	0.352	0.367	0.360	
Δ8THC	Delta-8 Tetrahydrocannabinol*	0.28	0.80	ND	ND	ND	
THCV	Tetrahydrocannabivarin*	0.28	0.80	ND	ND	ND	
CBG	Cannabigerol*	0.28	0.493	0.441	0.444	0.443	
CBGA	Cannabigerolic acid*	0.28	0.80	ND	ND	ND	
CBC	Cannabichromene*	0.28	4.72	0.586	0.615	0.601	
CBCA	Cannabichromenic acid*	0.28	0.80	ND	ND	ND	
CBN	Cannabinol	0.28	0.80	<LOQ	<LOQ	<LOQ	
Total THC	Δ9THC + (THCA × 0.877)		5.85	0.947	0.996	0.972	
Total CBD	CBD + (CBDA × 0.877)		0.685	16.4	16.5	16.5	
Total			0.977	18.4	18.6	18.5	

Compliance

Pesticides	Within limits	Analysis Date: 12/3/2019	Pass <input checked="" type="checkbox"/>
Solvents	Within limits	Analysis Date: 12/3/2019	Pass <input checked="" type="checkbox"/>
Potency	Within limits	Analysis Date: 12/3/2019	Pass <input checked="" type="checkbox"/>

Bryce Kidd
Bryce Kidd, Ph.D.
Lab Director

Aaron Troyer
Aaron Troyer
Chief Science Officer



Lightscale Labs is accredited by ORELAP (Lab #4112) for analysis in compliance with OAR 333-064 and OAR 333-087. 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.

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.

Shot-15-12

2020 N Ross Ave
Portland, OR 97227
(503) 493-2029

info@lightscale.com
CIELAP #4112
CLUC #100-30033-020344

Harvest/Process Date: 11/25/2019
Report ID: **LS-191204-28**

Sample Type: Tincture
Sample Date: 12/22/2019
Analysis Date: 12/22/2019
Report Date: 12/23/2019

Matrix Batch ID:
Matrix Sample ID:

Method: EN 15662
(99% up to 100%)

Pesticides Sample Data

Analyte	ZHR-PDF-PPD	TTI-CMS-SMT	Limits	LOQ	Notes	Status
Absceton	ND	0.5	0.1	Pass		Pass
Acephate	ND	0.4	0.1	Pass		Pass
Acephate	ND	2.0	1.5	Pass		Pass
Acarabpyrid	ND	0.2	0.1	Pass		Pass
Aldicarb	ND	0.4	0.1	Pass		Pass
Azinphosmethyl	ND	0.2	0.1	Pass		Pass
Bifenthrin	ND	0.2	0.1	Pass		Pass
Bifenthrin	ND	0.2	0.1	Pass		Pass
Bifenthrin	ND	0.4	0.1	Pass		Pass
Carbaryl	ND	0.2	0.1	Pass		Pass
Carbofuran	ND	0.2	0.1	Pass		Pass
Chlorantraniliprole	ND	0.2	0.1	Pass		Pass
Chlorantraniliprole	ND	1.0	0.1	Pass		Pass
Chlorpyrifos	ND	0.2	0.1	Pass		Pass
Ciflutryaz	ND	0.2	0.1	Pass		Pass
Cyfluthrin	ND	1.0	0.5	Pass		Pass
Cypermethrin	ND	1.0	0.1	Pass		Pass
Demeton	ND	1.0	0.5	Pass		Pass
Diazinon	ND	0.2	0.1	Pass		Pass
Diazinon	ND	1.0	0.5	Pass		Pass
Dichlorvos (DVP)	ND	1.0	0.5	Pass		Pass
Dinotefuran	ND	0.2	0.1	Pass		Pass
Ethioniaz	ND	0.2	0.1	Pass		Pass
Ethioniaz	ND	0.4	0.1	Pass		Pass
Etoxazole	ND	0.2	0.1	Pass		Pass
Fenoxycarb	ND	0.2	0.1	Pass		Pass
Fenprophate	ND	0.4	0.1	Pass		Pass
Fipronil	ND	0.4	0.1	Pass		Pass
Fipronil	ND	1.0	0.1	Pass		Pass
Flutolanil	ND	0.4	0.1	Pass		Pass
Hexachlorocyclopentadiene	ND	1.0	0.1	Pass		Pass
Imidacloprid	ND	0.4	0.1	Pass		Pass
Imidacloprid	ND	0.4	0.1	Pass		Pass
Malathion	ND	0.2	0.1	Pass		Pass

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Shot-15-12

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CIELAP #4112
CLUC #100-30033-020344

Harvest/Process Date: 11/25/2019
Report ID: **LS-191204-28**

Sample Type: Tincture
Sample Date: 12/22/2019
Analysis Date: 12/22/2019
Report Date: 12/23/2019

Matrix Batch ID:
Matrix Sample ID:

Method: EPA 8210A
(99% up to 100%)

Residual Solvents Sample Data

Analyte	ZHR-PDF-PPD	TTI-CMS-SMT	RPD (%)	Limits	LOQ	Notes	Status
1,4-Dioxane	ND	ND	0.00	300.0	50.0		Pass
2-Butanol	ND	ND	0.00	5000.0	250.0		Pass
2-Ethoxyethanol	ND	ND	0.00	100.0	50.0		Pass
Acetone	ND	ND	0.00	5000.0	250.0		Pass
Acetonitrile	ND	ND	0.00	400.0	50.0		Pass
Benzene	ND	ND	0.00	1.0	2.0		Pass
Butane	ND	ND	0.00	5000.0	250.0		Pass
Cumene	ND	ND	0.00	70.0	50.0		Pass
Cyclohexane	ND	ND	0.00	3000.0	50.0		Pass
Ethyl Acetate	ND	ND	0.00	5000.0	250.0		Pass
Ethyl Ether	ND	ND	0.00	5000.0	250.0		Pass
Ethylene Glycol	ND	ND	0.00	620.0	250.0		Pass
Ethylene Oxide	ND	ND	0.00	50.0	50.0		Pass
Heptane	ND	ND	0.00	5000.0	250.0		Pass
Hexane	ND	ND	0.00	200.0	50.0		Pass
Isopropanol (i-Propanol)	ND	ND	0.00	5000.0	250.0		Pass
Isopropyl Acetate	ND	ND	0.00	5000.0	250.0		Pass
Methanol	<LOQ	<LOQ	0.00	3000.0	250.0		Pass
Octylmethylamine	ND	ND	0.00	600.0	50.0		Pass
Pentane	ND	ND	0.00	5000.0	250.0		Pass
Propane	ND	ND	0.00	5000.0	250.0		Pass
Tetrahydrofuran	ND	ND	0.00	720.0	50.0		Pass
Toluene	ND	ND	0.00	800.0	50.0		Pass
Xylene	ND	ND	0.00	2170.0	50.0		Pass

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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

Shot-15-18

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: 6/29/2021
 Report ID: LS-210707-7
 Sample Plan: ZN-ZN-JM-NN_20210630_4D
 Sample Procedure: 160721_LAB-SOP_SampleCollection-v010

Potency

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

16.0 mg/mL Total CBD
 1.47%



0.574 mg/mL Total THC
 0.0527%

Samples: GSJ-FRW-MJD, DBG-XXW-PGW



Analyte	Description	LOQ	RPD (%)	Min.	Max.	Avg.	Unit: mg/mL
Δ9THC	Delta-9 Tetrahydrocannabinol	0.0055	4.37	0.561	0.586	0.574	
THCA	Tetrahydrocannabinolic acid	0.0055	0.00	ND	ND	ND	
CBD	Cannabidiol	0.0055	0.805	15.7	15.8	15.7	
CBDA	Cannabidiolic acid	0.0055	2.22	0.291	0.298	0.294	
Δ8THC	Delta-8 Tetrahydrocannabinol*	0.0055	0.00	ND	ND	ND	
THCV	Tetrahydrocannabivarin*	0.0055	0.00	ND	ND	ND	
CBG	Cannabigerol*	0.0055	0.590	0.368	0.371	0.370	
CBGA	Cannabigerolic acid*	0.0055	0.00	ND	ND	ND	
CBC	Cannabichromene*	0.0055	1.56	0.692	0.703	0.698	
CBCA	Cannabichromenic acid*	0.0055	0.00	ND	ND	ND	
CBN	Cannabinol*	0.0055	4.65	0.0229	0.0240	0.0234	
Total THC	Δ9THC + (THCA × 0.877)		4.37	0.561	0.586	0.574	
Total CBD	CBD + (CBDA × 0.877)		0.828	15.9	16.0	16.0	
Total			0.962	17.5	17.8	17.7	

Compliance

Pesticides	Within limits	Analysis Date: 7/1/2021	Pass 
Solvents	Within limits	Analysis Date: 7/2/2021	Pass 
Potency	Within limits	Analysis Date: 7/1/2021	Pass 


 Bryce Kidd, Ph.D.
 Lab Director


 Aaron Troyer
 Chief Science Officer



Shot-15-18

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: 6/29/2021
Report ID: LS-210707-7
Sample Plan: ZN-ZN-JM-NN_20210630_4D
Sample Procedure: 160721_LAB-SOP_SampleCollection-v010



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
Δ9THC	ND	0.0055	19.8	19.1	104	80 - 120	
THCA	ND	0.0055	19.6	19.2	102	80 - 120	
CBD	ND	0.0055	25.8	24.6	105	80 - 120	
CBDA	ND	0.0055	21.2	21.2	100	80 - 120	

Shot-15-18

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
Metric Batch ID:
Metric Sample ID:

Harvest/Process Date: 6/29/2021
Report ID: LS-210707-7
Sample Plan: ZN-ZN-JM-NN_20210630_4D
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: µg/g (ppm) Pass
 Method: AOAC 2007.01 & EN 15662

Analyte	GSJ-FRW-MJD	DBG-XXW-PGW	Limits	LOQ	Notes	Status	Analyte	GSJ-FRW-MJD	DBG-XXW-PGW	Limits	LOQ	Notes	Status
Abamectin	ND	ND	0.5	0.4		Pass	Metalaxyl	ND	ND	0.2	0.2		Pass
Acephate	ND	ND	0.4	0.2		Pass	Methiocarb	ND	ND	0.2	0.2		Pass
Acequinocyl	ND	ND	2.0	0.2		Pass	Methomyl	ND	ND	0.4	0.2		Pass
Acetamiprid	ND	ND	0.2	0.2		Pass	Methyl Parathion	ND	ND	0.2	0.2		Pass
Aldicarb	ND	ND	0.4	0.2		Pass	MGK-264	ND	ND	0.2	0.2		Pass
Azoxystrobin	ND	ND	0.2	0.2		Pass	Myclobutanil	ND	ND	0.2	0.2		Pass
Bifenazate	ND	ND	0.2	0.2		Pass	Naled	ND	ND	0.5	0.4		Pass
Bifenthrin	ND	ND	0.2	0.2		Pass	Oxamyl	ND	ND	1.0	0.2		Pass
Boscalid	ND	ND	0.4	0.2		Pass	Paclobutrazol	ND	ND	0.4	0.2		Pass
Carbaryl	ND	ND	0.2	0.2		Pass	Permethrins	ND	ND	0.2	0.2		Pass
Carbofuran	ND	ND	0.2	0.2		Pass	Phosmet	ND	ND	0.2	0.2		Pass
Chlorantraniliprole	ND	ND	0.2	0.2		Pass	Piperonyl Butoxide	ND	ND	2.0	0.2		Pass
Chlorfenapyr	ND	ND	1.0	1.0		Pass	Prallethrin	ND	ND	0.2	0.2		Pass
Chlorpyrifos	ND	ND	0.2	0.2		Pass	Propiconazole	ND	ND	0.4	0.2		Pass
Clofentezine	ND	ND	0.2	0.2		Pass	Propoxur	ND	ND	0.2	0.2		Pass
Cyfluthrin	ND	ND	1.0	1.0		Pass	Pyrethrins	ND	ND	1.0	1.0		Pass
Cypermethrin	ND	ND	1.0	1.0		Pass	Pyridaben	ND	ND	0.2	0.2		Pass
Daminozide	ND	ND	1.0	0.4		Pass	Spinosad	ND	ND	0.2	0.2		Pass
Diazinon	ND	ND	0.2	0.2		Pass	Spiromesifen	ND	ND	0.2	0.2		Pass
Dichlorvos (DDVP)	ND	ND	1.0	0.2		Pass	Spirotetramat	ND	ND	0.2	0.2		Pass
Dimethoate	ND	ND	0.2	0.2		Pass	Spiroxamine	ND	ND	0.4	0.2		Pass
Ethoprophos	ND	ND	0.2	0.2		Pass	Tebuconazole	ND	ND	0.4	0.2		Pass
Etofenprox	ND	ND	0.4	0.2		Pass	Thiacloprid	ND	ND	0.2	0.2		Pass
Etoxazole	ND	ND	0.2	0.2		Pass	Thiamethoxam	ND	ND	0.2	0.2		Pass
Fenoxycarb	ND	ND	0.2	0.2		Pass	Trifloxystrobin	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							

Shot-15-18

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: 6/29/2021
Report ID: LS-210707-7
Sample Plan: ZN-ZN-JM-NN_20210630_4D
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	Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
Methyl Parathion	ND	0.002	0.0106	0.0100	106	50 - 150									

Shot-15-18

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
Metric Batch ID:
Metric Sample ID:

Harvest/Process Date: 6/29/2021
Report ID: LS-210707-7
Sample Plan: ZN-ZN-JM-NN_20210630_4D
Sample Procedure: 160721_LAB-SOP_SampleCollection-v010

Pesticides Quality Control Data

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	Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
Abamectin	ND	0.002	0.0531	0.0500	106	50 - 150		Metalaxyl	ND	0.002	0.0570	0.0500	114	50 - 150	
Acephate	ND	0.002	0.0506	0.0500	101	50 - 150		Methiocarb	ND	0.002	0.0526	0.0500	105	50 - 150	
Acequinocyl	ND	0.002	0.0431	0.0500	86.2	50 - 150		Methomyl	ND	0.002	0.0548	0.0500	110	50 - 150	
Acetamiprid	ND	0.002	0.0527	0.0500	105	50 - 150		MGK-264	ND	0.002	0.0573	0.0500	115	50 - 150	
Aldicarb	ND	0.002	0.0529	0.0500	106	50 - 150		Myclobutanil	ND	0.002	0.0529	0.0500	106	50 - 150	
Azoxystrobin	ND	0.002	0.0412	0.0500	82.4	50 - 150		Naled	ND	0.002	0.0521	0.0500	104	50 - 150	
Bifenazate	ND	0.002	0.0598	0.0500	120	50 - 150		Oxamyl	ND	0.002	0.0520	0.0500	104	50 - 150	
Bifenthrin	ND	0.002	0.0464	0.0500	92.9	50 - 150		Paclobutrazol	ND	0.002	0.0561	0.0500	112	50 - 150	
Boscalid	ND	0.002	0.0516	0.0500	103	50 - 150		Permethrins	ND	0.002	0.0516	0.0500	103	50 - 150	
Carbaryl	ND	0.002	0.0480	0.0500	96.0	50 - 150		Phosmet	ND	0.002	0.0455	0.0500	91.0	50 - 150	
Carbofuran	ND	0.002	0.0536	0.0500	107	50 - 150		Piperonyl Butoxide	ND	0.002	0.0441	0.0500	88.1	50 - 150	
Chlorantraniliprole	ND	0.002	0.0495	0.0500	99.0	50 - 150		Prallethrin	ND	0.002	0.0559	0.0500	112	50 - 150	
Chlorfenapyr	ND	0.002	0.0453	0.0500	90.5	50 - 150		Propiconazole	ND	0.002	0.0540	0.0500	108	50 - 150	
Chlorpyrifos	ND	0.002	0.0451	0.0500	90.2	50 - 150		Propoxur	ND	0.002	0.0548	0.0500	110	50 - 150	
Clofentezine	ND	0.002	0.0545	0.0500	109	50 - 150		Pyrethrins	ND	0.002	0.0512	0.0500	102	50 - 150	
Cyfluthrin	ND	0.002	0.0424	0.0500	84.9	50 - 150		Pyridaben	ND	0.002	0.0456	0.0500	91.2	50 - 150	
Cypermethrin	ND	0.002	0.0543	0.0500	109	50 - 150		Spinosad	ND	0.002	0.0495	0.0500	99.0	50 - 150	
Daminozide	ND	0.002	0.0567	0.0500	113	10 - 150		Spiromesifen	ND	0.002	0.0543	0.0500	109	50 - 150	
Diazinon	ND	0.002	0.0561	0.0500	112	50 - 150		Spirotetramat	ND	0.002	0.0531	0.0500	106	50 - 150	
Dichlorvos (DDVP)	ND	0.002	0.0494	0.0500	98.8	50 - 150		Spiroxamine	ND	0.002	0.0566	0.0500	113	50 - 150	
Dimethoate	ND	0.002	0.0504	0.0500	101	50 - 150		Tebuconazole	ND	0.002	0.0543	0.0500	109	50 - 150	
Ethoprophos	ND	0.002	0.0558	0.0500	112	50 - 150		Thiacloprid	ND	0.002	0.0423	0.0500	84.6	50 - 150	
Etofenprox	ND	0.002	0.0360	0.0500	71.9	50 - 150		Thiamethoxam	ND	0.002	0.0524	0.0500	105	50 - 150	
Etoxazole	ND	0.002	0.0473	0.0500	94.6	50 - 150		Trifloxystrobin	ND	0.002	0.0506	0.0500	101	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									

Shot-15-18

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
Metric Batch ID:
Metric Sample ID:

Harvest/Process Date: 6/29/2021
Report ID: LS-210707-7
Sample Plan: ZN-ZN-JM-NN_20210630_4D
Sample Procedure: 160721_LAB-SOP_SampleCollection-v010

Residual Solvents Sample Data

Solvents Analysis Date: 7/2/2021
 Solvents Batch ID: RES_070121A

Method: EPA 5021A
 Unit: µg/g (ppm)

Pass 

Analyte	GSJ-FRW-MJD	DBG-XXW-PGW	RPD (%)	Limits	LOQ	Notes	Status
1,4-Dioxane	ND	ND	0.00	380.0	50.0		Pass
2-Butanol	ND	ND	0.00	5000.0	250.0		Pass
2-Ethoxyethanol	ND	ND	0.00	160.0	50.0		Pass
Acetone	ND	ND	0.00	5000.0	250.0		Pass
Acetonitrile	<LOQ	<LOQ	0.00	410.0	50.0		Pass
Benzene	ND	ND	0.00	2.0	2.0		Pass
Butanes	ND	ND	0.00	5000.0	250.0		Pass
Cumene	ND	ND	0.00	70.0	50.0		Pass
Cyclohexane	ND	ND	0.00	3880.0	50.0		Pass
Ethyl Acetate	<LOQ	<LOQ	0.00	5000.0	250.0		Pass
Ethyl Ether	ND	ND	0.00	5000.0	250.0		Pass
Ethylene Glycol	ND	ND	0.00	620.0	250.0		Pass
Ethylene Oxide	ND	ND	0.00	50.0	50.0		Pass
Heptane	ND	ND	0.00	5000.0	250.0		Pass
Hexanes	ND	ND	0.00	290.0	50.0		Pass
Isopropanol (2-Propanol)	ND	ND	0.00	5000.0	50.0		Pass
Isopropyl Acetate	ND	ND	0.00	5000.0	250.0		Pass
Methanol	<LOQ	<LOQ	0.00	3000.0	250.0		Pass
Dichloromethane	ND	ND	0.00	600.0	50.0		Pass
Pentanes	ND	ND	0.00	5000.0	250.0		Pass
Propane	ND	ND	0.00	5000.0	250.0		Pass
Tetrahydrofuran	ND	ND	0.00	720.0	50.0		Pass
Toluene	ND	ND	0.00	890.0	50.0		Pass
Xylenes	ND	ND	0.00	2170.0	50.0		Pass

Shot-15-18

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ODA: AG-R1058177IHH
Metric Batch ID:
Metric Sample ID:

Harvest/Process Date: 6/29/2021
Report ID: LS-210707-7
Sample Plan: ZN-ZN-JM-NN_20210630_4D
Sample Procedure: 160721_LAB-SOP_SampleCollection-v010

Residual Solvents Quality Control Data

Solvents QC Analysis Date: 7/2/2021
 Solvents QC Batch ID: RES_070121A

Method: EPA 5021A
 Unit: µg/g (ppm)

Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
1,4-Dioxane	ND	50.0	1130	1000	113	70 - 130	
2-Butanol	ND	250.0	1010	1000	101	70 - 130	
2-Ethoxyethanol	ND	50.0	1090	1000	109	70 - 130	
Acetone	ND	250.0	1150	1000	115	70 - 130	
Acetonitrile	<LOQ	50.0	1040	1000	104	70 - 130	
Benzene	ND	2.0	22.8	20.0	114	70 - 130	
Butanes	ND	250.0	1930	2000	96.6	70 - 130	
Cumene	ND	50.0	1220	1000	122	70 - 130	
Cyclohexane	ND	50.0	1090	1000	109	70 - 130	
Ethyl Acetate	ND	250.0	1020	1000	102	70 - 130	
Ethyl Ether	ND	250.0	1110	1000	111	70 - 130	
Ethylene Glycol	ND	250.0	1090	1000	109	70 - 130	
Ethylene Oxide	ND	50.0	1050	1000	105	70 - 130	
Heptane	ND	250.0	957	1000	95.7	70 - 130	
Hexanes	ND	50.0	5480	5000	110	70 - 130	
Isopropanol (2-Propanol)	<LOQ	50.0	1050	1000	105	70 - 130	
Isopropyl Acetate	ND	250.0	1020	1000	102	70 - 130	
Methanol	<LOQ	250.0	1080	1000	108	70 - 130	
Dichloromethane	ND	50.0	1110	1000	111	70 - 130	
Pentanes	ND	250.0	3380	3000	113	70 - 130	
Propane	ND	250.0	712	1000	71.2	70 - 130	
Tetrahydrofuran	ND	50.0	1000	1000	100	70 - 130	
Toluene	ND	50.0	1120	1000	112	70 - 130	
Xylenes	ND	50.0	4590	4000	115	70 - 130	

Shot-15-18

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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