

TB-20

Danadan Hempworks

(503) 290-4079

Sample Type: Tinctures
Sample Date: 11/5/2019
Analysis Date: 11/5/2019
Report Date: 11/12/2019

Metric Batch ID:

Metric Sample ID:

Harvest/Process Date: 10/20/2019

Report ID:

LS-191112-27

Potency

Potency Analysis Date: 11/5/2019
Potency Batch ID: CAN_110519C
Potency Method: JAOAC 2015.1

2.50 mg/mL

Total CBD
0.224%

<LOQ


Total THC
<LOQ

Samples: STN-WFX-SJT, TJW-JPG-HZB
Density = 1.12 mg/mL


Analyte	Description	LOQ	RPD (%)	Min.	Max.	Avg.	Unit: mg/mL
Δ9THC	Delta-9 Tetrahydrocannabinol	0.29	0.00	<LOQ	<LOQ	<LOQ	
THCA	Tetrahydrocannabinolic acid	0.29	0.00	ND	ND	ND	
CBD	Cannabidiol	0.29	0.716	2.50	2.51	2.50	
CBDA	Cannabidiolic acid	0.29	0.00	<LOQ	<LOQ	<LOQ	
Δ8THC	Delta-8 Tetrahydrocannabinol*	0.29	0.00	ND	ND	ND	
THCV	Tetrahydrocannabivarin*	0.29	0.00	ND	ND	ND	
CBG	Cannabigerol*	0.29	0.00	<LOQ	<LOQ	<LOQ	
CBGA	Cannabigerolic acid*	0.29	0.00	ND	ND	ND	
CBC	Cannabichromene*	0.29	0.00	ND	ND	ND	
CBCA	Cannabichromenic acid*	0.29	0.00	ND	ND	ND	
CBN	Cannabinol	0.29	0.00	ND	ND	ND	
Total THC	Δ9THC + (THCA × 0.877)		0.00	<LOQ	<LOQ	<LOQ	
Total CBD	CBD + (CBDA × 0.877)		0.716	2.50	2.51	2.50	
Total			0.716	2.50	2.51	2.50	

Compliance

Pesticides	Within limits	Analysis Date: 11/6/2019	Pass
Potency	Within limits	Analysis Date: 11/5/2019	Pass


Bryce Kidd, Ph.D.
Lab Director


Aaron Troyer
Chief Science Officer


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Pesticides Sample Data

Pesticides Analysis Date: 11/6/2019
Pesticides Batch ID: PST_110619A

Method: EN 15662
Unit: µg/g (ppm)

Pass 

Analyte	TJW-JPG-HZB	STN-WFX-SJT	Limits	LOQ	Notes	Status	Analyte	TJW-JPG-HZB	STN-WFX-SJT	Limits	LOQ	Notes	Status
Abamectin	ND	ND	0.5	0.1		Pass	Metalaxyl	ND	ND	0.2	0.1		Pass
Acephate	ND	ND	0.4	0.1		Pass	Methiocarb	ND	ND	0.2	0.1		Pass
Acequinocyl	ND	ND	2.0	1.5		Pass	Methomyl	ND	ND	0.4	0.1		Pass
Acetamiprid	ND	ND	0.2	0.1		Pass	Methyl Parathion	ND	ND	0.2	0.2		Pass
Aldicarb	ND	ND	0.4	0.1		Pass	MGK-264	ND	ND	0.2	0.2		Pass
Azoxystrobin	ND	ND	0.2	0.1		Pass	Myclobutanil	ND	ND	0.2	0.1		Pass
Bifenazate	ND	ND	0.2	0.1		Pass	Naled	ND	ND	0.5	0.2		Pass
Bifenthrin	ND	ND	0.2	0.1		Pass	Oxamyl	ND	ND	1.0	0.1		Pass
Boscalid	ND	ND	0.4	0.1		Pass	Paclobutrazol	ND	ND	0.4	0.1		Pass
Carbaryl	ND	ND	0.2	0.1		Pass	Permethrins	ND	ND	0.2	0.1		Pass
Carbofuran	ND	ND	0.2	0.1		Pass	Phosmet	ND	ND	0.2	0.1		Pass
Chlorantraniliprole	ND	ND	0.2	0.1		Pass	Piperonyl Butoxide	ND	ND	2.0	0.1		Pass
Chlorfenapyr	ND	ND	1.0	0.1		Pass	Prallethrin	ND	ND	0.2	0.1		Pass
Chlorpyrifos	ND	ND	0.2	0.1		Pass	Propiconazole	ND	ND	0.4	0.1		Pass
Clofentezine	ND	ND	0.2	0.1		Pass	Propoxur	ND	ND	0.2	0.1		Pass
Cyfluthrin	ND	ND	1.0	0.5		Pass	Pyrethrins	ND	ND	1.0	0.5		Pass
Cypermethrin	ND	ND	1.0	0.1		Pass	Pyridaben	ND	ND	0.2	0.1		Pass
Daminozide	ND	ND	1.0	0.5		Pass	Spinosad	ND	ND	0.2	0.1		Pass
Diazinon	ND	ND	0.2	0.1		Pass	Spiromesifen	ND	ND	0.2	0.1		Pass
Dichlorvos (DDVP)	ND	ND	1.0	0.5		Pass	Spirotetramat	ND	ND	0.2	0.1		Pass
Dimethoate	ND	ND	0.2	0.1		Pass	Spiroxamine	ND	ND	0.4	0.1		Pass
Ethoprophos	ND	ND	0.2	0.1		Pass	Tebuconazole	ND	ND	0.4	0.1		Pass
Etofenprox	ND	ND	0.4	0.1		Pass	Thiacloprid	ND	ND	0.2	0.1		Pass
Etoxazole	ND	ND	0.2	0.1		Pass	Thiamethoxam	ND	ND	0.2	0.1		Pass
Fenoxycarb	ND	ND	0.2	0.1		Pass	Trifloxystrobin	ND	ND	0.2	0.1		Pass
Fenpyroximate	ND	ND	0.4	0.1		Pass							
Fipronil	ND	ND	0.4	0.1		Pass							
Flonicamid	ND	ND	1.0	0.1		Pass							
Fludioxonil	ND	ND	0.4	0.1		Pass							
Hexythiazox	ND	ND	1.0	0.1		Pass							
Imazalil	ND	ND	0.2	0.1		Pass							
Imidacloprid	ND	ND	0.4	0.1		Pass							
Kresoxim-methyl	ND	ND	0.4	0.1		Pass							
Malathion	ND	ND	0.2	0.1		Pass							

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Metric Sample ID:

Harvest/Process Date: 10/20/2019

Report ID:

LS-191112-27

Pesticides Quality Control Data

Pesticides QC Analysis Date: 11/6/2019
Pesticides QC Batch ID: PST_110619A

Method: EN 15662
Unit: µg/g (ppm)

Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes	Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
Abamectin	ND	0.1	1.38	1.00	138	50 - 150		Metalaxyl	ND	0.1	1.39	1.00	139	50 - 150	
Acephate	ND	0.1	0.583	1.00	58.3	50 - 150		Methiocarb	ND	0.1	1.52	1.00	152	50 - 150	ME
Acequinocyl	ND	1.5	ND	1.00	0.00	50 - 150	ND	Methomyl	ND	0.1	0.746	1.00	74.6	50 - 150	
Acetamiprid	ND	0.1	0.919	1.00	91.9	50 - 150		Methyl Parathion	ND	0.2	0.316	1.00	31.6	30 - 150	
Aldicarb	ND	0.1	0.809	1.00	80.9	50 - 150		MGK-264	ND	0.2	ND	0.600	0.00	50 - 150	ND
Azoxystrobin	ND	0.1	1.04	1.00	104	50 - 150		Myclobutanil	ND	0.1	1.15	1.00	115	50 - 150	
Bifenazate	ND	0.1	0.872	1.00	87.2	50 - 150		Naled	ND	0.2	0.809	1.00	80.9	50 - 150	
Bifenthrin	ND	0.1	1.44	1.00	144	50 - 150		Oxamyl	ND	0.1	0.729	1.00	72.9	50 - 150	
Boscalid	ND	0.1	0.767	1.00	76.7	50 - 150		Paclobutrazol	ND	0.1	0.794	1.00	79.4	50 - 150	
Carbaryl	ND	0.1	0.920	1.00	92.0	50 - 150		Permethrins	ND	0.1	1.46	1.00	146	50 - 150	
Carbofuran	ND	0.1	0.953	1.00	95.3	50 - 150		Phosmet	ND	0.1	1.36	1.00	136	50 - 150	
Chlorantraniliprole	ND	0.1	1.50	1.00	150	50 - 150		Piperonyl Butoxide	ND	0.1	1.00	1.00	100	50 - 150	
Chlorfenapyr	ND	0.1	1.04	1.00	104	50 - 150		Prallethrin	ND	0.1	1.25	1.00	125	50 - 150	
Chlorpyrifos	ND	0.1	1.04	1.00	104	50 - 150		Propiconazole	ND	0.1	1.30	1.00	130	50 - 150	
Clofentezine	ND	0.1	1.43	1.00	143	50 - 150		Propoxur	ND	0.1	0.973	1.00	97.3	50 - 150	
Cyfluthrin	ND	0.5	0.926	1.00	92.6	50 - 150		Pyrethrins	ND	0.5	2.70	1.00	270	50 - 150	HB
Cypermethrin	ND	0.1	1.19	1.00	119	50 - 150		Pyridaben	ND	0.1	1.44	1.00	144	50 - 150	
Daminozide	ND	0.5	0.642	1.00	64.2	10 - 150		Spinosad	ND	0.1	1.19	1.00	119	50 - 150	
Diazinon	ND	0.1	0.941	1.00	94.1	50 - 150		Spiromesifen	ND	0.1	1.68	1.00	168	50 - 150	HB
Dichlorvos (DDVP)	ND	0.5	0.897	1.00	89.7	50 - 150		Spirotetramat	ND	0.1	1.17	1.00	117	50 - 150	
Dimethoate	ND	0.1	0.951	1.00	95.1	50 - 150		Spiroxamine	ND	0.1	0.743	1.00	74.3	50 - 150	
Ethoprophos	ND	0.1	1.10	1.00	110	50 - 150		Tebuconazole	ND	0.1	1.01	1.00	101	50 - 150	
Etofenprox	ND	0.1	1.43	1.00	143	50 - 150		Thiacloprid	ND	0.1	1.10	1.00	110	50 - 150	
Etoxazole	ND	0.1	1.48	1.00	148	50 - 150		Thiamethoxam	ND	0.1	1.02	1.00	102	50 - 150	
Fenoxycarb	ND	0.1	1.48	1.00	148	50 - 150		Trifloxystrobin	ND	0.1	1.14	1.00	114	50 - 150	
Fenpyroximate	ND	0.1	1.38	1.00	138	50 - 150									
Fipronil	ND	0.1	0.958	1.00	95.8	50 - 150									
Flonicamid	ND	0.1	0.918	1.00	91.8	50 - 150									
Fludioxonil	ND	0.1	1.16	1.00	116	50 - 150									
Hexythiazox	ND	0.1	0.933	1.00	93.3	50 - 150									
Imazalil	ND	0.1	0.939	1.00	93.9	50 - 150									
Imidacloprid	ND	0.1	0.999	1.00	99.9	50 - 150									
Kresoxim-methyl	ND	0.1	1.47	1.00	147	50 - 150									
Malathion	ND	0.1	1.14	1.00	114	50 - 150									

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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



Oregon Hemp Program Post-Harvest Test Results Notification Form

A copy of the test results must be sent along with this notification to hemptestreports@oda.state.or.us
ODA must be notified within 24 hours and at the same time or before reporting results to the medical grower or processor.

Test Laboratory Name:	Lightscale Labs		
Laboratory Contact Name:	Bryce Kidd	Phone Number:	503-575-1849
Sample Laboratory Name:	N/A	Date Sample Taken:	11-5-2019
Registrant's Name:	Danodan Hempworks		
Registrant's Number:	AG-R1058177IHH	Harvest or Process Lot Number:	TB-20
Test Batch Number:	LS-191112-27	Date Sample Tested:	11-5-2019 and 11-6-2019
Product Type:	Useable Hemp <input type="checkbox"/> Edible <input checked="" type="checkbox"/> Concentrate <input type="checkbox"/> Extract <input type="checkbox"/> Topical <input type="checkbox"/>		
Product Description/Name:	TB-20		

Please answer the yes and no questions. If your laboratory's reporting software indicates any of the specific items that are asked to be listed below, such as marking them in red, you are not required to list them on this form.

Are there any associated test batch numbers from prior tests performed on the sample?

☐ Yes ☒ No

If yes, please list:

Pesticide(s) Results at Detected Level?

☐ Yes ☒ No

If yes, list pesticide/s found at detected level:

Test Above Action Limit: ☐ Yes ☐ No

Field Duplicate Above Action Limit: Yes ☐ No ☐ N/A ☐

Pesticides ☒ THC Concentration ☒ Solvent ☐ Microbiological ☐

List specific pesticide analyte/s or solvent/s found above the action limit:

Industrial Hemp Results Notification Form

The Oregon Department of Agriculture must be notified by the laboratory that performed testing, and send a copy of the test results if any of the following are found:

- Any failed test results (except water activity and moisture)
- Any pesticide test with a “detected” level

Applicable Rules

Failed Tests (OAR 603-048-2300 to -2480), (OAR 333-007-0390(3), 333-007-0400(2), 333-007-0410(2), 333-007-0430(2) and (3), 333-064-0110 Reporting Detected Pesticide Levels (OAR 333-064-0110 (5) and (8)) Reporting Tentatively Identified Compounds (OAR 333-064-0100)

If you have questions or concerns you can email industrial-hemp@oda.state.or.us