

Danodan Hempworks

Sample Type: Tinctures Sample Date: 11/5/2019 Analysis Date: 11/6/2019 Report Date: 11/12/2019

Metrc Batch ID:

Metrc Sample ID:

Harvest/Process Date: 10/5/2019

Report ID:

LS-191112-29

#### **Potency**

(503) 290-4079

Potency Analysis Date: 11/6/2019 Potency Batch ID: CAN\_110619C, CAN\_110719A Potency Method: JAOAC 2015.1

# **14.1 mg/mL**

**Total CBD** 

## 0.634 mg/mL

**Total THC** 0.0582%

SWM-7WT\_WMX-CSE-MGM\_N71-RXN-N7R\_SG1-RBS-PIS\_IHP-TXW-SW7\_RPH-IRP-GHW\_RTG-HMB-HMS\_TSX-DDE-N17\_RW7-MD7-D77 PXC-DGD-XWS, NPG-SFF-ZDB, TXC-MBD-JZD, PZM-TPX-ZDP, MJB-BNM-HGC, WGM-BWM-RPM, TCZ-GFJ-PTW, JDC-JZX-TJR, HSD-PCJ-SNB, GTW-JNR-GWS, DBT-PWP-HSN, HJR-XBN-GSB, FPD-HHM-NJZ, JST-CCZ-WWW, MDX-HNZ-TJP (Density = 1.09 g/mL)



Analyte	Description	LOQ	RSD (%)	Min.	Max.	Avg.	Uni
<b>Д9ТНС</b>	Delta-9 Tetrahydrocannabinol	0.28	3.10	0.586	0.670	0.634	-
THCA	Tetrahydrocannabinolic acid	0.28	0.00	ND	ND	ND	
CBD	Cannabidiol	0.28	1.34	13.3	14.1	13.8	
CBDA	Cannabidiolic acid	0.28	10.6	0.306	0.412	0.364	•
∆8ТНС	Delta-8 Tetrahydrocannabinol*	0.28	0.00	ND	ND	ND	
THCV	Tetrahydrocannabivarin*	0.28	0.00	ND	ND	ND	
CBG	Cannabigerol*	0.28	2.95	0.496	0.554	0.520	•
CBGA	Cannabigerolic acid*	0.28	0.00	ND	<l0q< td=""><td><l0q< td=""><td></td></l0q<></td></l0q<>	<l0q< td=""><td></td></l0q<>	
CBC	Cannabichromene*	0.28	18.7	ND	0.734	0.624	-
CBCA	Cannabichromenic acid*	0.28	0.00	ND	ND	ND	
CBN	Cannabinol	0.28	0.00	ND	ND	ND	
Total THC	Δ9THC + (THCA × 0.877)		3.10	0.586	0.670	0.634	-
Total CBD	CBD + (CBDA × 0.877)		1.46	13.6	14.5	14.1	
Total			1.99	14.7	16.5	15.9	

#### **Compliance**

Pesticides	Within limits	Analysis Date: 11/6/2019	Pass 🕢
Solvents	Within limits	Analysis Date: 11/6/2019	Pass 📀
Potency	Within limits	Analysis Date: 11/6/2019	Pass 🛇

Bryce Kidd, Ph.D. Lab Director

Chief Science Officer





Danodan Hempworks

(503) 290-4079

Hexythiazox

Imidacloprid

Kresoxim-methyl

Imazalil

Malathion

ND

1.0

0.2

0.4

0.4

0.2

0.1

0.1

0.1

0.1

0.1

Sample Type: Tinctures Sample Date: 11/5/2019 Analysis Date: 11/6/2019 Report Date: 11/12/2019 Metrc Batch ID:

Metrc Sample ID:

Harvest/Process Date: 10/5/2019

Report ID:

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Pesticides
Sample Data

Pesticides Analysis Date: 11/6/2019 Pesticides Batch ID: PST\_110619B, PST\_110619A, PST\_110719B Method: EN 15662 Unit: μg/g (ppm) Pass 🕢

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Analyte	Min.	Max.	Avg.	Limits	LOQ	Notes	Status	Analyte	Min.	Max.	Avg.	Limits	LOQ	Notes	Status
Abamectin	ND	ND	ND	0.5	0.1		Pass	Metalaxyl	ND	ND	ND	0.2	0.1		Pass
Acephate	ND	ND	ND	0.4	0.1		Pass	Methiocarb	ND	ND	ND	0.2	0.1		Pass
Acequinocyl	ND	ND	ND	2.0	1.5		Pass	Methomyl	ND	ND	ND	0.4	0.1		Pass
Acetamiprid	ND	ND	ND	0.2	0.1		Pass	Methyl Parathion	ND	ND	ND	0.2	0.2		Pass
Aldicarb	ND	ND	ND	0.4	0.1		Pass	MGK-264	ND	ND	ND	0.2	0.2		Pass
Azoxystrobin	ND	ND	ND	0.2	0.1		Pass	Myclobutanil	ND	ND	ND	0.2	0.1		Pass
Bifenazate	ND	ND	ND	0.2	0.1		Pass	Naled	ND	ND	ND	0.5	0.2		Pass
Bifenthrin	ND	ND	ND	0.2	0.1		Pass	0xamy1	ND	ND	ND	1.0	0.1		Pass
Boscalid	ND	ND	ND	0.4	0.1		Pass	Paclobutrazol	ND	ND	ND	0.4	0.1		Pass
Carbaryl	ND	ND	ND	0.2	0.1		Pass	Permethrins	ND	ND	ND	0.2	0.1		Pass
Carbofuran	ND	ND	ND	0.2	0.1		Pass	Phosmet	ND	ND	ND	0.2	0.1		Pass
Chlorantraniliprole	ND	ND	ND	0.2	0.1		Pass	Piperonyl Butoxide	ND	ND	ND	2.0	0.1		Pass
Chlorfenapyr	ND	ND	ND	1.0	0.1		Pass	Prallethrin	ND	ND	ND	0.2	0.1		Pass
Chlorpyrifos	ND	ND	ND	0.2	0.1		Pass	Propiconazole	ND	ND	ND	0.4	0.1		Pass
Clofentezine	ND	ND	ND	0.2	0.1		Pass	Propoxur	ND	ND	ND	0.2	0.1		Pass
Cyfluthrin	ND	ND	ND	1.0	0.5		Pass	Pyrethrins	ND	ND	ND	1.0	0.5		Pass
Cypermethrin	ND	ND	ND	1.0	0.1		Pass	Pyridaben	ND	ND	ND	0.2	0.1		Pass
Daminozide	ND	ND	ND	1.0	0.5		Pass	Spinosad	ND	ND	ND	0.2	0.1		Pass
Diazinon	ND	ND	ND	0.2	0.1		Pass	Spiromesifen	ND	ND	ND	0.2	0.1		Pass
Dichlorvos (DDVP)	ND	ND	ND	1.0	0.5		Pass	Spirotetramat	ND	ND	ND	0.2	0.1		Pass
Dimethoate	ND	ND	ND	0.2	0.1		Pass	Spiroxamine	ND	ND	ND	0.4	0.1		Pass
Ethoprophos	ND	ND	ND	0.2	0.1		Pass	Tebuconazole	ND	ND	ND	0.4	0.1		Pass
Etofenprox	ND	ND	ND	0.4	0.1		Pass	Thiacloprid	ND	ND	ND	0.2	0.1		Pass
Etoxazole	ND	ND	ND	0.2	0.1		Pass	Thiamethoxam	ND	ND	ND	0.2	0.1		Pass
Fenoxycarb	ND	ND	ND	0.2	0.1		Pass	Trifloxystrobin	ND	ND	ND	0.2	0.1		Pass
Fenpyroximate	ND	ND	ND	0.4	0.1		Pass								
Fipronil	ND	ND	ND	0.4	0.1		Pass								
Flonicamid	ND	ND	ND	1.0	0.1		Pass								
Fludioxonil	ND	ND	ND	0.4	0.1		Pass								

Samples: BJX-FXC-DSH, RRD-CTR-TBG, NGT-BMC-CCT, FHD-DJR-XJJ, RGM-GPX-HFB, RSP-GTX-CDP, DCR-TJD-PMD, XZP-WRJ-ZXH, MHP-SWM-ZWT, WMX-CSF-MGM, NZJ-BXN-NZR, SGJ-RBS-PJS, JHP-TXW-SWZ, RPH-JRP-GHW, RTG-HMB-HMS, TSX-DDF-NJZ, RWZ-MDZ-DZZ, PXC-DGD-XWS, NPG-SFF-ZDB, TXC-MBD-JZD, PZM-TPX-ZDP, MJB-BNM-HGC, WGM-BWM-RPM, TCZ-GFJ-PTW, JDC-JZX-TJR, HSD-PCJ-SNB, GTW-JNR-GWS, DBT-PWP-HSN, HJR-XBN-GSB, FPD-HHM-NJZ, JST-CCZ-WWW, MDX-HNZ-TJP

Pass

Pass

Pass

Pass

Pass



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LCS Spike LCS Rec (%) Limits (%) Notes Analyte Blank LOQ LCS Abamectin 0.1 1.15 1.00 115 50 - 150 Acenhate ND 0.1 0.569 1 99 56.9 50 - 150 Acequinocyl ND ND 1.00 0.00 50 - 150 Acetamiprid ND 0.1 0.806 1 99 80.6 50 - 150 Aldicarb ND 0.1 0.772 77.2 50 - 150 1.00 Azoxystrobin ND 0.1 1.05 1.00 105 50 - 150 Bifenazate 1.05 105 50 - 150 ND Bifenthrin ND 0.1 1.71 171 50 - 150 1.00 Boscalid 0.1 0.753 1.00 75.3 50 - 150 Carbarvl ND 0.1 0.913 1 99 91.3 50 - 150 0.913 ND 1.00 50 - 150 Chlorantraniliprole ND 0.1 1.40 1.00 140 50 - 150 Chlorfenapyr 50 - 150 1.04 1.00 Chlorpyrifos 0.1 1.07 107 50 - 150 ND 1.00 Clofentezine ND 1.00 50 - 150 Cyfluthrin ND 0.5 0.614 1 99 61.4 50 - 150 Cypermethrin 0.1 1.93 193 50 - 150 1.00 Daminozide 0.5 0.636 63.6 10 - 150 ND 1 99 ND 1.00 50 - 150 Dichlorvos (DDVP) ND 0.5 0.755 1.00 75.5 50 - 150 Dimethoate ND 0.1 0.905 1.00 90.5 50 - 150 Ethoprophos ND 0.1 1.08 1.00 108 50 - 150 Etofenprox ND 0.1 1.78 1.00 178 50 - 150 Etoxazole ND 0.1 1.44 1.00 144 50 - 150 Fenoxycarb ND 1.37 1.00 137 50 - 150 Fenpyroximate ND 0.1 1.27 1 99 127 50 - 150 Fipronil ND 0.1 0.981 1.00 98.1 50 - 150 Flonicamid ND 0.1 0.803 1.00 80.3 50 - 150 Fludioxonil ND 0.1 1.14 1.00 114 50 - 150 Hexythiazox ND 0.1 0.985 1.00 98.5 50 - 150 Imazalil ND 0.1 0.947 1.00 94.7 50 - 150 Imidacloprid ND 0.1 0.777 1.00 77.7 50 - 150 Kresoxim-methyl ND 0.1 1.59 1.00 159 50 - 150 ME Malathion ND 0.1 1.33 1.00 133 50 - 150

Pesticides QC Analysis Date: 11/6/2019 Pesticides QC Batch ID: PST\_110619B, PST\_110619A, PST\_110719B Method: EN 15662 Unit: µg/g (ppm)

Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
Metalaxyl	ND	0.1	1.41	1.00	141	50 - 150	
Methiocarb	ND	0.1	1.58	1.00	158	50 - 150	ME
Methomyl	ND	0.1	0.706	1.00	70.6	50 - 150	
Methyl Parathion	ND	0.2	0.267	1.00	26.7	30 - 150	LR
MGK-264	ND	0.2	1.27	0.600	212	50 - 150	НВ
Myclobutanil	ND	0.1	1.09	1.00	109	50 - 150	
Naled	ND	0.2	0.678	1.00	67.8	50 - 150	
Oxamyl	ND	0.1	0.719	1.00	71.9	50 - 150	
Paclobutrazol	ND	0.1	0.654	1.00	65.4	50 - 150	
Permethrins	ND	0.1	1.66	1.00	166	50 - 150	НВ
Phosmet	ND	0.1	1.37	1.00	137	50 - 150	
Piperonyl Butoxide	ND	0.1	1.15	1.00	115	50 - 150	
Prallethrin	ND	0.1	1.32	1.00	132	50 - 150	
Propiconazole	ND	0.1	1.01	1.00	101	50 - 150	
Propoxur	ND	0.1	0.938	1.00	93.8	50 - 150	
Pyrethrins	ND	0.5	2.93	1.00	293	50 - 150	НВ
Pyridaben	ND	0.1	1.46	1.00	146	50 - 150	
Spinosad	ND	0.1	1.27	1.00	127	50 - 150	
Spiromesifen	ND	0.1	1.77	1.00	177	50 - 150	HB
Spirotetramat	ND	0.1	1.22	1.00	122	50 - 150	
Spiroxamine	ND	0.1	0.815	1.00	81.5	50 - 150	
Tebuconazole	ND	0.1	1.01	1.00	101	50 - 150	
Thiacloprid	ND	0.1	1.09	1.00	109	50 - 150	
Thiamethoxam	ND	0.1	1.14	1.00	114	50 - 150	
Trifloxystrobin	ND	0.1	1.20	1.00	120	50 - 150	



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Metrc Sample ID:

Harvest/Process Date: 10/5/2019

Report ID:

LS-191112-29

Residual Solvents
Sample Data

Solvents Analysis Date: 11/6/2019 Solvents Batch ID: RES\_110719A, RES\_110619A, RES\_110719B Method: EPA 5021A Unit: μg/g (ppm) Pass 🕢

1,4-Dioxane         ND         ND         ND         ND         9.88         388.8         59.6         Pass           2-Butanol         ND         ND         ND         ND         598.8         258.8         Pass           2-Ethoxyethanol         ND         ND         ND         ND         598.8         598.8         258.8         Pass           Acetonic         ND         ND         ND         0.80         5980.8         258.8         Pass           Acetonitrile         ND         ND         ND         0.80         418.8         59.8         Pass           Benzene         ND         ND         ND         ND         8.98         2.8         2.9         Pass           Butanes         ND         ND         ND         ND         8.98         258.0         2.9         Pass           Cumene         ND         ND         ND         ND         9.88         5980.0         259.0         Pass           Ethyl Acetate         ND         ND         ND         9.88         5980.0         259.0         Pass           Ethylane Glycol         ND         ND         ND         9.88         5980.0         259.0	Analyte	Min.	Max.	Avg.	RSD (%)	Limits	LOQ	Notes	Status
2-Ethoxyethanol         ND         ND         ND         0.00         160.8         58.8         98.8           Acetone         ND         ND         ND         0.00         5600.8         259.8         Pass           Acetonitrile         ND         ND         ND         0.00         410.0         560.8         259.8         Pass           Benzene         ND         ND         ND         0.00         5900.0         2.0         2.0         Pass           Butanes         ND         ND         ND         0.00         5900.0         259.0         259.0         Pass           Cumene         ND         ND         ND         0.00         5900.0         259.0         259.0         Pass           Ethyl Acetate         ND         ND         ND         0.00         5900.0         259.0         259.0         Pass           Ethyl Acetate         ND         ND         ND         0.00         5900.0         259.0         259.0         259.0         259.0         259.0         259.0         259.0         259.0         259.0         259.0         259.0         259.0         259.0         259.0         259.0         259.0         259.0         259.	1,4-Dioxane	ND	ND	ND	0.00	380.0	50.0		Pass
Acetone         ND         ND         ND         0.00         5880.8         250.8         Pass           Acetonitrile         ND         ND         ND         0.00         410.8         580.8         98s           Benzene         ND         ND         ND         0.00         5900.0         2.0         2.0         98s           Butanes         ND         ND         ND         0.00         5900.0         250.0         98s           Cumene         ND         ND         ND         0.00         78.0         59.0         98s           Ethyl Acetate         ND         ND         ND         0.00         5900.0         250.0         98s           Ethyl Ether         ND         ND         ND         0.00         5900.0         250.0         98s           Ethylene Glycol         ND         ND         ND         0.00         5900.0         250.0         98s           Ethylene Oxide         ND         ND         ND         0.00         5900.0         250.0         98s           Heyane         ND         ND         ND         0.00         5900.0         250.0         98s           Isopropanal (2-Propanal)         <	2-Butanol	ND	ND	ND	0.00	5000.0	250.0		Pass
Acetonitrile         ND         ND         0.00         410.0         50.0         Pass           Benzene         ND         ND         ND         0.00         2.0         2.0         2.0         Pass           Butanes         ND         ND         ND         0.00         5000.0         250.0         Pass           Cumene         ND         ND         ND         0.00         70.0         50.0         Pass           Cyclohexane         ND         ND         ND         0.00         3880.0         50.0         Pass           Ethyl Acetate         ND         ND         ND         0.00         5000.0         250.0         Pass           Ethyl Lether         ND         ND         ND         0.00         5000.0         250.0         Pass           Ethyl Lether         ND         ND         ND         0.00         5000.0         250.0         Pass           Ethyl Lether         ND         ND         ND         0.00         500.0         250.0         Pass           Ethyl Lether         ND         ND         ND         0.00         500.0         500.0         250.0         Pass           Ethyl Lether <t< td=""><td>2-Ethoxyethanol</td><td>ND</td><td>ND</td><td>ND</td><td>0.00</td><td>160.0</td><td>50.0</td><td></td><td>Pass</td></t<>	2-Ethoxyethanol	ND	ND	ND	0.00	160.0	50.0		Pass
Benzene         ND         ND         ND         0.00         0.00         0.00         0.00         2.00         2.50.0         Pass           Butanes         ND         ND         ND         0.00         5800.0         250.0         Pass           Cumene         ND         ND         ND         0.00         3880.0         560.0         Pass           Cyclohexane         ND         ND         ND         0.00         5800.0         560.0         Pass           Ethyl Acetate         ND         ND         ND         0.00         5800.0         250.0         Pass           Ethyl Ether         ND         ND         ND         0.00         5800.0         250.0         Pass           Ethylene Glycol         ND         ND         ND         0.00         5800.0         250.0         Pass           Ethylene Glycol         ND         ND         ND         0.00         5900.0         250.0         Pass           Ethylene Glycol         ND         ND         0.00         0.00         5900.0         250.0         Pass           Ethylene Glycol         ND         ND         0.00         0.00         5900.0         250.0	Acetone	ND	ND	ND	0.00	5000.0	250.0		Pass
Butanes         ND         ND         ND         0.00         5000.0         250.0         Pass           Cumene         ND         ND         ND         0.00         70.0         50.0         Pass           Cyclohexane         ND         ND         ND         0.00         3880.0         50.0         9.00         Pass           Ethyl Acetate         ND         ND         ND         0.00         5000.0         250.0         Pass           Ethyl Ether         ND         ND         ND         0.00         5000.0         250.0         Pass           Ethylene Glycol         ND         ND         ND         0.00         5000.0         250.0         Pass           Ethylene Oxide         ND         ND         ND         0.00         500.0         50.0         Pass           Heytane         ND         ND         ND         0.00         5000.0         50.0         Pass           Hexanes         ND         ND         ND         0.00         5000.0         50.0         Pass           I sopropal (2-Propanel)         ND         ND         ND         0.00         5000.0         5000.0         50.0         Pass	Acetonitrile	ND	ND	ND	0.00	410.0	50.0		Pass
Cumene         ND         ND         ND         0.00         30.00         38.00         50.00         Pass           Cyclohexane         ND         ND         ND         0.00         3880.00         50.00         250.0         Pass           Ethyl Acetate         ND         ND         ND         0.00         5000.00         250.0         Pass           Ethyl Ether         ND         ND         ND         0.00         5000.00         250.0         Pass           Ethylene Glycol         ND         ND         ND         0.00         5000.00         250.0         Pass           Ethylene Oxide         ND         ND         ND         ND         0.00         500.00         250.0         Pass           Heytane         ND         ND         ND         ND         0.00         500.00         250.0         Pass           Hexanes         ND         ND         ND         0.00         5000.00         250.0         Pass           I sopropanol (2-Propanol)         ND         ND         ND         0.00         5000.00         250.0         Pass           Methanol         <1,00	Benzene	ND	ND	ND	0.00	2.0	2.0		Pass
Cyclohexane         ND         ND         ND         0.00         3880.0         50.0         Pass           Ethyl Acetate         ND         ND         ND         0.00         5600.0         250.0         Pass           Ethyl Ether         ND         ND         ND         0.00         5600.0         250.0         Pass           Ethylene Glycol         ND         ND         ND         0.00         620.0         250.0         Pass           Ethylene Oxide         ND         ND         ND         0.00         50.00         50.0         50.0         Pass           Heytane         ND         ND         ND         0.00         50.00         250.0         Pass           Heytane         ND         ND         ND         0.00         5000.0         250.0         Pass           Heytane         ND         ND         ND         0.00         5000.0         5000.0         250.0         Pass           Isopropanol (2-Propanol)         ND         ND         ND         0.00         5000.0         250.0         Pass           Isopropal Acetate         ND         ND         ND         0.00         5000.0         250.0         Pass <td>Butanes</td> <td>ND</td> <td>ND</td> <td>ND</td> <td>0.00</td> <td>5000.0</td> <td>250.0</td> <td></td> <td>Pass</td>	Butanes	ND	ND	ND	0.00	5000.0	250.0		Pass
Ethyl Acetate         ND         ND         ND         ND         0.00         5000.0         2500.0         250.0         Pass           Ethyl Ether         ND         ND         ND         0.00         5000.0         250.0         Pass           Ethylene Glycol         ND         ND         ND         0.00         500.0         250.0         Pass           Ethylene Oxide         ND         ND         ND         0.00         500.0         50.0         Pass           Heytane         ND         ND         ND         0.00         500.0         250.0         Pass           Hexanes         ND         ND         ND         0.00         290.0         500.0         Pass           I sopropanol (2-Propanol)         ND         <.LOQ	Cumene	ND	ND	ND	0.00	70.0	50.0		Pass
Ethyl Ether         ND         ND         ND         ND         0.00         5000.0         250.0         Pass           Ethylene Glycol         ND         ND         ND         ND         0.00         620.0         250.0         Pass           Ethylene Oxide         ND         ND         ND         ND         50.0         50.0         50.0         Pass           Heptane         ND         ND         ND         0.00         5000.0         250.0         Pass           Hexanes         ND         ND         ND         0.00         290.0         50.0         Pass           Isopropanol (2-Propanol)         ND         ND         ND         0.00         5000.0         50.0         Pass           Isopropyl Acetate         ND         ND         ND         ND         0.00         5000.0         250.0         Pass           Methanol <l0q< td=""> <l0q< td=""> <l0q< td="">         0.00         3000.0         250.0         Pass           Dichloromethane         ND         ND         ND         0.00         5000.0         250.0         Pass           Propane         ND         ND         ND         0.00         5000.0         250</l0q<></l0q<></l0q<>	Cyclohexane	ND	ND	ND	0.00	3880.0	50.0		Pass
Ethylene Glycol         ND         ND         ND         0.00         620.0         250.0         Pass           Ethylene Oxide         ND         ND         ND         0.00         50.0         50.0         50.0         Pass           Heptane         ND         ND         ND         0.00         5000.0         250.0         Pass           Hexanes         ND         ND         ND         0.00         290.0         50.0         Pass           Isopropanol (2-Propanol)         ND         ND         ND         0.00         5000.0         50.0         Pass           Isopropyl Acetate         ND         ND         ND         ND         0.00         5000.0         250.0         Pass           Methanol <l0q< td=""> <l0q< td=""> <l0q< td="">         0.00         3000.0         250.0         Pass           Dichloromethane         ND         ND         ND         0.00         5000.0         50.0         Pass           Pentanes         ND         ND         ND         0.00         5000.0         250.0         Pass           Propane         ND         ND         ND         0.00         5000.0         250.0         Pass</l0q<></l0q<></l0q<>	Ethyl Acetate	ND	ND	ND	0.00	5000.0	250.0		Pass
Ethylene Oxide         ND         ND         ND         0.00         50.0         50.0         50.0         Pass           Heptane         ND         ND         ND         0.00         5000.0         250.0         Pass           Hexanes         ND         ND         ND         0.00         290.0         50.0         50.0         Pass           Isopropanol (2-Propanol)         ND         ND         ND         0.00         5000.0         50.0         50.0         Pass           Isopropyl Acetate         ND         ND         ND         0.00         5000.0         250.0         Pass           Methanol <loq< td=""> <loq< td=""> <loq< td="">         0.00         3000.0         250.0         Pass           Dichloromethane         ND         ND         ND         0.00         5000.0         50.0         9.0         Pass           Pentanes         ND         ND         ND         0.00         5000.0         250.0         Pass           Propane         ND         ND         ND         0.00         5000.0         250.0         Pass           Tetrahydrofuran         ND         ND         ND         0.00         5000.0         <td< td=""><td>Ethyl Ether</td><td>ND</td><td>ND</td><td>ND</td><td>0.00</td><td>5000.0</td><td>250.0</td><td></td><td>Pass</td></td<></loq<></loq<></loq<>	Ethyl Ether	ND	ND	ND	0.00	5000.0	250.0		Pass
Heptane         ND         ND         ND         ND         9.80         5000.0         250.0         Pass           Hexanes         ND         ND         ND         0.00         290.0         50.0         pass           Isopropanol (2-Propanol)         ND         ND         ND         5000.0         5000.0         50.0         pass           Isopropyl Acetate         ND         ND         ND         0.00         5000.0         250.0         pass           Methanol <loq< td=""> <loq< td=""> <loq< td="">         0.00         3000.0         250.0         pass           Dichloromethane         ND         ND         ND         0.00         5000.0         5000.0         50.0         pass           Pentanes         ND         ND         ND         0.00         5000.0         250.0         pass           Propane         ND         ND         ND         0.00         5000.0         250.0         pass           Tetrahydrofuran         ND         ND         ND         0.00         720.0         50.0         90.0         720.0         50.0         720.0         720.0         720.0         720.0         720.0         720.0         720.0</loq<></loq<></loq<>	Ethylene Glycol	ND	ND	ND	0.00	620.0	250.0		Pass
Hexanes         ND         ND         ND         0.00         290.0         50.0         7	Ethylene Oxide	ND	ND	ND	0.00	50.0	50.0		Pass
Isopropanol (2-Propanol)         ND <loq< th=""> <loq< th="">         0.00         5000.0         50.0         Pass           Isopropyl Acetate         ND         ND         ND         0.00         5000.0         250.0         Pass           Methanol         <loq< td=""> <loq< td=""> <loq< td="">         0.00         3000.0         250.0         Pass           Dichloromethane         ND         ND         ND         0.00         600.0         50.0         Pass           Pentanes         ND         ND         ND         0.00         5000.0         250.0         Pass           Propane         ND         ND         ND         0.00         5000.0         250.0         Pass           Tetrahydrofuran         ND         ND         ND         0.00         720.0         50.0         Pass           Toluene         ND         ND         ND         0.00         890.0         50.0         90.0         90.0</loq<></loq<></loq<></loq<></loq<>	Heptane	ND	ND	ND	0.00	5000.0	250.0		Pass
Isopropyl Acetate         ND         ND         ND         0.00         5000.0         250.0         250.0         Pass           Methanol <loq< td=""> <loq< td=""> <loq< td="">         0.00         3000.0         250.0         Pass           Dichloromethane         ND         ND         ND         0.00         600.0         50.0         Pass           Pentanes         ND         ND         ND         0.00         5000.0         250.0         Pass           Propane         ND         ND         ND         0.00         5000.0         250.0         Pass           Tetrahydrofuran         ND         ND         ND         0.00         720.0         50.0         Pass           Toluene         ND         ND         ND         0.00         890.0         50.0         90.0         90.0</loq<></loq<></loq<>	Hexanes	ND	ND	ND	0.00	290.0	50.0		Pass
Methanol <loq< th=""> <loq< th=""> <loq< th=""> <loq< th="">         0.00         3900.0         250.0         Pass           Dichloromethane         ND         ND         ND         0.00         600.0         5000.0         50.0         Pass           Pentanes         ND         ND         ND         0.00         5000.0         250.0         Pass           Propane         ND         ND         ND         0.00         5000.0         250.0         Pass           Tetrahydrofuran         ND         ND         ND         0.00         720.0         50.0         Pass           Toluene         ND         ND         ND         0.00         890.0         50.0         Pass</loq<></loq<></loq<></loq<>	Isopropanol (2-Propanol)	ND	<l0q< td=""><td><l0q< td=""><td>0.00</td><td>5000.0</td><td>50.0</td><td></td><td>Pass</td></l0q<></td></l0q<>	<l0q< td=""><td>0.00</td><td>5000.0</td><td>50.0</td><td></td><td>Pass</td></l0q<>	0.00	5000.0	50.0		Pass
Dichloromethane         ND         ND         ND         0.00         600.0         50.0         Pass           Pentanes         ND         ND         ND         0.00         5000.0         250.0         Pass           Propane         ND         ND         ND         0.00         5000.0         250.0         Pass           Tetrahydrofuran         ND         ND         ND         0.00         720.0         50.0         Pass           Toluene         ND         ND         ND         0.00         890.0         50.0         9.00         Pass	Isopropyl Acetate	ND	ND	ND	0.00	5000.0	250.0		Pass
Pentanes         ND         ND         ND         0.00         5000.0         250.0         Pass           Propane         ND         ND         ND         0.00         5000.0         250.0         Pass           Tetrahydrofuran         ND         ND         ND         0.00         720.0         50.0         Pass           Toluene         ND         ND         ND         0.00         890.0         50.0         Pass	Methanol	<l0q< td=""><td><l0q< td=""><td><l0q< td=""><td>0.00</td><td>3000.0</td><td>250.0</td><td></td><td>Pass</td></l0q<></td></l0q<></td></l0q<>	<l0q< td=""><td><l0q< td=""><td>0.00</td><td>3000.0</td><td>250.0</td><td></td><td>Pass</td></l0q<></td></l0q<>	<l0q< td=""><td>0.00</td><td>3000.0</td><td>250.0</td><td></td><td>Pass</td></l0q<>	0.00	3000.0	250.0		Pass
Propane         ND         ND         ND         0.00         5000.0         250.0         Pass           Tetrahydrofuran         ND         ND         ND         0.00         720.0         50.0         Pass           Toluene         ND         ND         ND         0.00         890.0         50.0         Pass	Dichloromethane	ND	ND	ND	0.00	600.0	50.0		Pass
Tetrahydrofuran ND ND ND 0.00 720.0 50.0 Pass Toluene ND ND ND 0.00 890.0 50.0 Pass	Pentanes	ND	ND	ND	0.00	5000.0	250.0		Pass
Toluene ND ND ND 0.00 890.0 50.0 Pass	Propane	ND	ND	ND	0.00	5000.0	250.0		Pass
	Tetrahydrofuran	ND	ND	ND	0.00	720.0	50.0		Pass
Xvlenes ND ND ND 0.00 2170.0 50.0 Pass	Toluene	ND	ND	ND	0.00	890.0	50.0		Pass
	Xylenes	ND	ND	ND	0.00	2170.0	50.0		Pass

Samples: BJX-FXC-DSH, RRD-CTR-TBG, NGT-BMC-CCT, FHD-DJR-XJJ, RGM-GPX-HFB, RSP-GTX-CDP, DCR-TJD-PMD, XZP-WRJ-ZXH, MHP-SWM-ZWT, WMX-CSF-MGM, NZJ-BXN-NZR, SGJ-RBS-PJS, JHP-TXW-SWZ, RPH-JRP-GHW, RTG-HMB-HMS, TSX-DDF-NJZ, RWZ-MDZ-DZZ, PXC-DGD-XWS, NPG-SFF-ZDB, TXC-MBD-JZD, PZM-TPX-ZDP, MJB-BNM-HGC, WGM-BWM-RPM, TCZ-GFJ-PTW, JDC-JZX-TJR, HSD-PCJ-SNB, GTW-JNR-GWS, DBT-PWP-HSN, HJR-XBN-GSB, FPD-HHM-NJZ, JST-CCZ-WWW, MDX-HNZ-TJP



Danodan Hempworks

(503) 290-4079

Sample Type: Tinctures Sample Date: 11/5/2019 Analysis Date: 11/6/2019 Report Date: 11/12/2019 Metrc Batch ID:

Metrc Sample ID:

Harvest/Process Date: 10/5/2019

Report ID:

LS-191112-29

Residual Solvents
Quality Control Data

Solvents QC Analysis Date: 11/6/2019 Solvents QC Batch ID: RES\_110719A, RES\_110619A, RES\_110719B Method: EPA 5021A Unit: μg/g (ppm)

Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
1,4-Dioxane	ND	50.0	1100	1000	110	70 - 130	
2-Butanol	ND	250.0	1140	1000	114	70 - 130	
2-Ethoxyethanol	ND	50.0	1070	1000	107	70 - 130	
Acetone	ND	250.0	1030	1000	103	70 - 130	
Acetonitrile	<l0q< td=""><td>50.0</td><td>1220</td><td>1000</td><td>122</td><td>70 - 130</td><td></td></l0q<>	50.0	1220	1000	122	70 - 130	
Benzene	ND	2.0	17.9	20.0	89.5	70 - 130	
Butanes	ND	250.0	2210	2000	111	70 - 130	
Cumene	ND	50.0	1180	1000	118	70 - 130	
Cyclohexane	ND	50.0	999	1000	99.9	70 - 130	
Ethyl Acetate	ND	250.0	1100	1000	110	70 - 130	
Ethyl Ether	ND	250.0	956	1000	95.6	70 - 130	
Ethylene Glycol	ND	250.0	995	1000	99.5	70 - 130	
Ethylene Oxide	ND	50.0	1070	1000	107	70 - 130	
Heptane	ND	250.0	1130	1000	113	70 - 130	
Hexanes	ND	50.0	5420	5000	108	70 - 130	
Isopropanol (2-Propanol)	<l0q< td=""><td>50.0</td><td>1110</td><td>1000</td><td>111</td><td>70 - 130</td><td></td></l0q<>	50.0	1110	1000	111	70 - 130	
Isopropyl Acetate	ND	250.0	1170	1000	117	70 - 130	
Methanol	ND	250.0	948	1000	94.8	70 - 130	
Dichloromethane	ND	50.0	1010	1000	101	70 - 130	
Pentanes	ND	250.0	3230	3000	108	70 - 130	
Propane	ND	250.0	855	1000	85.5	70 - 130	
Tetrahydrofuran	ND	50.0	1190	1000	119	70 - 130	
Toluene	ND	50.0	1130	1000	113	70 - 130	
Xylenes	ND	50.0	5180	4000	130	70 - 130	



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Sample Type: Tinctures Sample Date: 11/5/2019 Analysis Date: 11/6/2019 Report Date: 11/12/2019 Metrc Batch ID:

Metrc Sample ID:

Harvest/Process Date: 10/5/2019

Report ID:

LS-191112-29

#### **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