

### **TB-21**

Danodan Hempworks 6019 NE MLK JR. BLVD. PORTLAND, OR 97217 (503) 290-4079 Sample Type: Tinctures Sample Date: 2/13/2020 Analysis Date: 2/18/2020 Report Date: 2/25/2020 Metrc Batch ID:

Metrc Sample ID:

Harvest/Process Date: 10/31/2019 Report ID: LS-200221-34 Sample Plan ID:SP-200213-1-A Sample Procedure: 160721\_LAB-SOP\_SampleCollection-v007

#### **Potency**

Potency Analysis Date: 2/18/2020 Potency Batch ID: CAN\_021820E Potency Method: JAOAC 2015.1

## 2.77 mg/mL Total CBD 0.248%

<LOQ

Total THC <LOQ

Samples: ZSN-GXH-RTS, MGJ-WRN-DJW



Analyte	Description	LOQ	RPD (%)	Min.	Max.	Avg.	Unit: mg
<b>Д9ТНС</b>	Delta-9 Tetrahydrocannabinol	0.29	0.00	<l0q< td=""><td><l0q< td=""><td><l0q< td=""><td></td></l0q<></td></l0q<></td></l0q<>	<l0q< td=""><td><l0q< td=""><td></td></l0q<></td></l0q<>	<l0q< td=""><td></td></l0q<>	
THCA	Tetrahydrocannabinolic acid	0.29	0.00	ND	ND	ND	
CBD	Cannabidiol	0.29	2.91	2.73	2.81	2.77	
CBDA	Cannabidiolic acid	0.29	0.00	ND	<l0q< td=""><td><l0q< td=""><td></td></l0q<></td></l0q<>	<l0q< td=""><td></td></l0q<>	
∆8ТНС	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	<l0q< td=""><td><l0q< td=""><td><l0q< td=""><td></td></l0q<></td></l0q<></td></l0q<>	<l0q< td=""><td><l0q< td=""><td></td></l0q<></td></l0q<>	<l0q< td=""><td></td></l0q<>	
CBGA	Cannabigerolic acid*	0.29	0.00	ND	<l0q< td=""><td><l0q< td=""><td></td></l0q<></td></l0q<>	<l0q< td=""><td></td></l0q<>	
CBC	Cannabichromene*	0.29	0.00	<l0q< td=""><td><l0q< td=""><td><l0q< td=""><td></td></l0q<></td></l0q<></td></l0q<>	<l0q< td=""><td><l0q< td=""><td></td></l0q<></td></l0q<>	<l0q< td=""><td></td></l0q<>	
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	<l0q< td=""><td><l0q< td=""><td><l0q< td=""><td></td></l0q<></td></l0q<></td></l0q<>	<l0q< td=""><td><l0q< td=""><td></td></l0q<></td></l0q<>	<l0q< td=""><td></td></l0q<>	
Total CBD	CBD + (CBDA × 0.877)		2.91	2.73	2.81	2.77	
Total			2.91	2.73	2.81	2.77	

### **Compliance**

Pesticides	Within limits	Analysis Date: 2/18/2020	Pass 🕢
Potency	Within limits	Analysis Date: 2/18/2020	Pass 🕢

Bryce Kidd/Ph.D.
Lab Director

Aaron Troyer
Chief Science Officer





2535 N Ross Ave Portland, OR 97227 (503) 493-2535

### ГВ-**21**

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

Sample Type: Tinctures Sample Date: 2/13/2020 Analysis Date: 2/18/2020 Report Date: 2/25/2020

Metrc Batch ID:

Metrc Sample ID:

Harvest/Process Date: 10/31/2019 Report ID: LS-200221-34 Sample Plan ID:SP-200213-1-A Sample Procedure: 160721\_LAB-SOP\_SampleCollection-v007

**Pesticides** Sample Data Pesticides Analysis Date: 2/18/2020 Pesticides Batch ID: PST\_021820A

Method: EN 15662 Unit: µg/g (ppm)

Pass 🕢

Abamectin         ND         ND         0.5         0.1         Pass           Acephate         ND         ND         0.4         0.1         Pass           Acequinocyl         ND         ND         0.2         0.1         Pass           Acetamiprid         ND         ND         0.2         0.1         Pass           Aldicarb         ND         ND         0.2         0.1         Pass           Bifenazate         ND         ND         0.2         0.1         Pass           Carbaryl         ND         ND         0.2	Analyte	MGJ-WRN-DJW	ZSN-GXH-RTS	Limits	LOQ	Notes	Status
Acequinocyl ND ND 2.0 1.5 Pass Acetamiprid ND ND 0.2 0.1 Pass Aldicarb ND ND 0.2 0.1 Pass Aldicarb ND ND ND 0.2 0.1 Pass Bifenazate ND ND ND 0.2 0.1 Pass Bifenazate ND ND ND 0.2 0.1 Pass Bifenazate ND ND ND 0.2 0.1 Pass Boscalid ND ND ND 0.2 0.1 Pass Boscalid ND ND ND 0.2 0.1 Pass Boscalid ND ND ND 0.2 0.1 Pass Carbofuran ND ND ND 0.2 0.1 Pass Chlorantraniliprole ND ND ND 0.2 0.1 Pass Chlorantraniliprole ND ND ND 0.2 0.1 Pass Chloryfenapyr ND ND ND 0.2 0.1 Pass Chloryfenapyr ND ND ND 0.2 0.1 Pass Chlorpyrifos ND ND ND 0.2 0.1 Pass Cyfluthrin ND ND ND 1.0 0.5 Pass Diazinon ND ND 1.0 0.5 Pass Diazinon ND ND 1.0 0.5 Pass Diazinon ND ND ND 1.0 0.5 Pass Diazinon ND ND ND 0.2 0.1 Pass Etofenprox ND ND ND 0.2 0.1 Pass Etoxazole ND ND ND 0.4 0.1 Pass Etoxazole ND ND 0.	Abamectin	ND	ND	0.5	0.1		Pass
Acetamiprid         ND         ND         0.2         0.1         Pass           Aldicarb         ND         ND         0.4         0.1         Pass           Azoxystrobin         ND         ND         0.2         0.1         Pass           Bifenazate         ND         ND         0.2         0.1         Pass           Bifenthrin         ND         ND         0.2         0.1         Pass           Carborul         ND         ND         0.2         0.1         Pass           Carborul         ND         ND         0.2         0.1         Pass           Chloridian         ND         ND         0.2         0.1         Pass           Chloridian         ND         ND         ND         0.2         0.1         Pass           Chloridian         ND	Acephate	ND	ND	0.4	0.1		Pass
Aldicarb         ND         ND         0.4         0.1         Pass           Azoxystrobin         ND         ND         0.2         0.1         Pass           Bifenazate         ND         ND         0.2         0.1         Pass           Bifenthrin         ND         ND         ND         0.2         0.1         Pass           Boscalid         ND         ND         ND         0.4         0.1         Pass           Carbofura         ND         ND         ND         0.2         0.1         Pass           Carbofura         ND         ND         ND         0.2         0.1         Pass           Chlorantraniliprole         ND         ND         0.2         0.1         Pass           Chlorfenapyr         ND         ND         0.2         0.1         Pass           Chlorfenapyr         ND         ND         0.2         0.1         Pass           Chlorfenapyr         ND         ND         0.2         0.1         Pass           Chloreprifos         ND         ND         0.2         0.1         Pass           Clofentezine         ND         ND         0.2         0.1         Pass </td <td>Acequinocyl</td> <td>ND</td> <td>ND</td> <td>2.0</td> <td>1.5</td> <td></td> <td>Pass</td>	Acequinocyl	ND	ND	2.0	1.5		Pass
Azoxystrobin ND ND 0.2 0.1 Pass Bifenazate ND ND ND 0.2 0.1 Pass Bifenthrin ND ND ND 0.2 0.1 Pass Boscalid ND ND ND 0.2 0.1 Pass Boscalid ND ND ND 0.2 0.1 Pass Carbaryl ND ND ND 0.2 0.1 Pass Carbaryl ND ND ND 0.2 0.1 Pass Chlorantraniliprole ND ND ND 0.2 0.1 Pass Chlorantraniliprole ND ND ND 0.2 0.1 Pass Chlorpyrifos ND ND ND 0.2 0.1 Pass Chlorpyrifos ND ND ND 0.2 0.1 Pass Chlorpyrifos ND ND ND 0.2 0.1 Pass Cyfluthrin ND ND ND 0.2 0.1 Pass Cyfluthrin ND ND ND 0.2 0.1 Pass Cyfluthrin ND ND ND 1.0 0.5 Pass Cypermethrin ND ND ND 1.0 0.5 Pass Daminozide ND ND ND 1.0 0.5 Pass Diazinon ND ND ND 1.0 0.5 Pass Diazinon ND ND ND 1.0 0.5 Pass Diazinon ND ND ND 1.0 0.5 Pass Ethoprophos ND ND ND 1.0 0.5 Pass Ethoprophos ND ND ND 0.2 0.1 Pass Etofenprox ND ND ND 0.2 0.1 Pass Etoxazole ND ND ND 0.2 0.1 Pass Etoxazole ND ND ND 0.2 0.1 Pass Fenpyroximate ND ND ND 0.2 0.1 Pass Fenpyroximate ND ND ND 0.2 0.1 Pass Fipronil ND ND 0.2 0.1 Pass Fipronil ND ND 0.2 0.1 Pass Fipronil ND ND 0.4 0.1 Pass Fipronil ND ND ND 0.4 0.1 Pass Fipronil ND ND ND 0.4 0.1 Pass Fipronil ND ND 0.4 0.1 Pass Fipronil ND ND ND 0	Acetamiprid	ND	ND	0.2	0.1		Pass
Bifenazate	Aldicarb	ND	ND	0.4	0.1		Pass
Bifenthrin ND ND 0.2 0.1 Pass Boscalid ND ND 0.2 0.1 Pass Carboryl ND ND ND 0.2 0.1 Pass Carboryl ND ND ND 0.2 0.1 Pass Chlorantraniliprole ND ND ND 0.2 0.1 Pass Chlorantraniliprole ND ND ND 0.2 0.1 Pass Chlorpyrifos ND ND ND 0.2 0.1 Pass Chlorpyrifos ND ND ND 0.2 0.1 Pass Cyfluthrin ND ND ND 0.2 0.1 Pass Cyfluthrin ND ND ND 0.2 0.1 Pass Cyfluthrin ND ND ND 1.0 0.5 Pass Cypermethrin ND ND ND 1.0 0.5 Pass Cypermethrin ND ND ND 1.0 0.5 Pass Diazinon ND ND ND 1.0 0.5 Pass Diazinon ND ND ND 1.0 0.5 Pass Diazinon ND ND ND 1.0 0.5 Pass Ethoprophos ND ND ND 1.0 0.5 Pass Ethoprophos ND ND ND 0.2 0.1 Pass Etofenprox ND ND ND 0.2 0.1 Pass Etoxazole ND ND ND 0.2 0.1 Pass Etoxazole ND ND ND 0.2 0.1 Pass Fenoxycarb ND ND ND 0.2 0.1 Pass Fipronil ND ND ND 0.2 0.1 Pass Fipronil ND ND ND 0.4 0.1 Pass Fludioxonil ND ND ND 0.4 0.1 Pass Fludioxonil ND ND ND 0.4 0.1 Pass Imazalil ND ND ND 0.4 0.1 Pass Imazalil ND ND ND 0.4 0.1 Pass Imidacloprid ND	Azoxystrobin	ND	ND	0.2	0.1		Pass
Boscalid         ND         ND         0.4         0.1         Pass           Carbaryl         ND         ND         ND         0.2         0.1         Pass           Carbofuran         ND         ND         ND         0.2         0.1         Pass           Chlorantraniliprole         ND         ND         ND         0.2         0.1         Pass           Chlorfenapyr         ND         ND         ND         0.2         0.1         Pass           Chlorpyrifos         ND         ND         ND         0.2         0.1         Pass           Clofentezine         ND         ND         ND         0.2         0.1         Pass           Cyfluthrin         ND         ND         ND         0.5         Pass           Cypermethrin         ND         ND         ND         0.1         Pass           Diazinon         ND         ND         0.2	Bifenazate	ND	ND	0.2	0.1		Pass
Carbaryl         ND         ND         0.2         0.1         Pass           Carbofuran         ND         ND         ND         0.2         0.1         Pass           Chlorantraniliprole         ND         ND         ND         0.2         0.1         Pass           Chlorfenapyr         ND         ND         ND         1.0         0.1         Pass           Chlorpyrifos         ND         ND         ND         0.2         0.1         Pass           Clofentezine         ND         ND         ND         0.2         0.1         Pass           Clofentezine         ND         ND         ND         0.2         0.1         Pass           Clofentezine         ND         ND         ND         0.5         Pass           Cyfluthrin         ND         ND         0.2         0.1         Pass           Cyfluthrin         ND         ND         0.5         Pass           Cypermethrin         ND         ND         0.1         Pass           Daminozide         ND         ND         0.2         0.1         Pass           Dizzinon         ND         ND         0.2         0.1         Pass <td>Bifenthrin</td> <td>ND</td> <td>ND</td> <td>0.2</td> <td>0.1</td> <td></td> <td>Pass</td>	Bifenthrin	ND	ND	0.2	0.1		Pass
Carbofuran ND ND 0.2 0.1 Pass Chlorantraniliprole ND ND 0.2 0.1 Pass Chlorantraniliprole ND ND ND 0.2 0.1 Pass Chlorfenapyr ND ND ND 1.0 0.1 Pass Chlorpyrifos ND ND ND 0.2 0.1 Pass Clofentezine ND ND ND 0.2 0.1 Pass Cyfluthrin ND ND ND 1.0 0.5 Pass Cypermethrin ND ND ND 1.0 0.5 Pass Cypermethrin ND ND ND 1.0 0.5 Pass Daminozide ND ND ND 1.0 0.5 Pass Diazinon ND ND ND 1.0 0.5 Pass Dichlorvos (DDVP) ND ND ND 0.2 0.1 Pass Dichlorvos (DDVP) ND ND ND 0.2 0.1 Pass Ethoprophos ND ND ND 0.2 0.1 Pass Ettofenprox ND ND ND 0.2 0.1 Pass Etofenprox ND ND ND 0.2 0.1 Pass Etoxazole 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 Fipronil ND ND ND 0.4 0.1 Pass Fludioxonil ND ND ND 0.4 0.1 Pass Fludioxonil ND ND ND 0.4 0.1 Pass Imazalil ND ND ND 0.4 0.1 Pass Imidacloprid ND ND ND 0.4 0.1 Pass	Boscalid	ND	ND	0.4	0.1		Pass
Chlorantraniliprole ND ND 0.2 0.1 Pass Chlorfenapyr ND ND ND 1.0 0.1 Pass Chlorpyrifos ND ND ND 0.2 0.1 Pass Clofentezine ND ND ND 0.2 0.1 Pass Cyfluthrin ND ND ND 1.0 0.5 Pass Cypermethrin ND ND ND 1.0 0.5 Pass Daminozide ND ND ND 1.0 0.5 Pass Diazinon ND ND ND 1.0 0.5 Pass Diazinon ND ND ND 1.0 0.5 Pass Diazinon ND ND ND 0.2 0.1 Pass Dimethoate ND ND ND 1.0 0.5 Pass Ethoprophos ND ND ND 0.2 0.1 Pass Etofenprox ND ND ND 0.2 0.1 Pass Etoxazole ND ND ND 0.2 0.1 Pass Etoxazole ND ND ND 0.2 0.1 Pass Fenoxycarb ND ND ND 0.2 0.1 Pass Fipronil ND ND ND 0.2 0.1 Pass Fipronil ND ND ND 0.4 0.1 Pass Fipronil ND ND ND 0.4 0.1 Pass Fipronil ND ND ND 0.4 0.1 Pass Fludioxonil ND ND ND 0.4 0.1 Pass Fludioxonil ND ND ND 0.4 0.1 Pass Imazalil ND ND ND 0.4 0.1 Pass Imazalil ND ND ND 0.4 0.1 Pass Imidacloprid ND ND ND 0.4 0.1 Pass	Carbaryl	ND	ND	0.2	0.1		Pass
Chlorfenapyr         ND         ND         1.0         0.1         Pass           Chlorpyrifos         ND         ND         ND         0.2         0.1         Pass           Clofentezine         ND         ND         ND         0.2         0.1         Pass           Cyfluthrin         ND         ND         ND         1.0         0.5         Pass           Cypermethrin         ND         ND         ND         1.0         0.1         Pass           Daminozide         ND         ND         ND         1.0         0.5         Pass           Diazinon         ND         ND         ND         0.2         0.1         Pass           Etholorovs (DDVP)         ND         ND         ND         0.2         0.1         Pass           Ethoracte         ND         ND         ND         0.2         0.1         Pass <t< td=""><td>Carbofuran</td><td>ND</td><td>ND</td><td>0.2</td><td>0.1</td><td></td><td>Pass</td></t<>	Carbofuran	ND	ND	0.2	0.1		Pass
Chlorpyrifos ND ND 0.2 0.1 Pass Clofentezine ND ND ND 0.2 0.1 Pass Cyfluthrin ND ND ND 1.0 0.5 Pass Cypermethrin ND ND ND 1.0 0.5 Pass Diazinon ND ND ND 1.0 0.5 Pass Dimethoate ND ND ND 1.0 0.5 Pass Ethoprophos ND ND ND 0.2 0.1 Pass Ethoprophos ND ND ND 0.2 0.1 Pass Etofenprox ND ND ND 0.2 0.1 Pass Etoxazole ND ND ND 0.4 0.1 Pass Fenoxycarb ND ND ND 0.2 0.1 Pass Fipronil ND ND ND 0.4 0.1 Pass Fipronil ND ND ND 0.4 0.1 Pass Fludioxonil ND ND ND 0.4 0.1 Pass Fludioxonil ND ND ND 0.4 0.1 Pass Imazalil ND ND ND 0.4 0.1 Pass Imazalil ND ND ND 0.4 0.1 Pass Imidacloprid ND ND ND 0.4 0.1 Pass	Chlorantraniliprole	ND	ND	0.2	0.1		Pass
Clofentezine ND ND 0.2 0.1 Pass Cyfluthrin ND ND ND 1.0 0.5 Pass Cypermethrin ND ND ND 1.0 0.5 Pass Daminozide ND ND ND 1.0 0.5 Pass Diazinon ND ND ND 0.2 0.1 Pass Dichlorvos (DDVP) ND ND ND 1.0 0.5 Pass Dimethoate ND ND ND 0.2 0.1 Pass Ethoprophos ND ND ND 0.2 0.1 Pass Etofenprox ND ND ND 0.2 0.1 Pass Etoxazole ND ND ND 0.2 0.1 Pass Etoxazole ND ND ND 0.2 0.1 Pass Fenoxycarb ND ND ND 0.4 0.1 Pass Fipronil ND ND ND 0.4 0.1 Pass Flonicamid ND ND ND 0.4 0.1 Pass Fludioxonil ND ND ND 0.4 0.1 Pass Fludioxonil ND ND ND 0.4 0.1 Pass Imazalil ND ND ND 0.2 0.1 Pass Imazalil ND ND ND 0.2 0.1 Pass Imazalil ND ND ND 0.4 0.1 Pass Imidacloprid ND ND ND 0.4 0.1 Pass	Chlorfenapyr	ND	ND	1.0	0.1		Pass
Cyfluthrin         ND         ND         1.0         0.5         Pass           Cypermethrin         ND         ND         ND         1.0         0.1         Pass           Daminozide         ND         ND         ND         1.0         0.5         Pass           Diazinon         ND         ND         ND         0.2         0.1         Pass           Dichlorvos (DDVP)         ND         ND         ND         0.5         Pass           Dimethoate         ND         ND         ND         0.2         0.1         Pass           Ethoprophos         ND         ND         ND         0.2         0.1         Pass           Etofenprox         ND         ND         ND         0.4         0.1         Pass           Etoxazole         ND         ND         ND         0.2         0.1         Pass           Fenoxycarb         ND         ND         ND         0.2         0.1         Pass           Fipronil         ND         ND         ND         0.4         0.1         Pass           Fludioxonil         ND         ND         ND         0.4         0.1         Pass           Hexyth	Chlorpyrifos	ND	ND	0.2	0.1		Pass
Cypermethrin         ND         ND         1.0         0.1         Pass           Daminozide         ND         ND         ND         1.0         0.5         Pass           Diazinon         ND         ND         ND         0.2         0.1         Pass           Dichlorvos (DDVP)         ND         ND         ND         0.2         0.1         Pass           Dimethoate         ND         ND         ND         0.2         0.1         Pass           Ethoprophos         ND         ND         ND         0.2         0.1         Pass           Etofenprox         ND         ND         ND         0.4         0.1         Pass           Etoxazole         ND         ND         ND         0.2         0.1         Pass           Fenoxycarb         ND         ND         ND         0.2         0.1         Pass           Fipronil         ND         ND         ND         0.4         0.1         Pass           Fludioxonil         ND         ND         ND         0.4         0.1         Pass           Fludioxonil         ND         ND         ND         0.4         0.1         Pass      <	Clofentezine	ND	ND	0.2	0.1		Pass
Daminozide         ND         ND         1.0         0.5         Pass           Diazinon         ND         ND         ND         0.2         0.1         Pass           Dichlorvos (DDVP)         ND         ND         ND         1.0         0.5         Pass           Dimethoate         ND         ND         ND         0.2         0.1         Pass           Ethoprophos         ND         ND         ND         0.2         0.1         Pass           Etofenprox         ND         ND         ND         0.4         0.1         Pass           Etoxazole         ND         ND         ND         0.2         0.1         Pass           Fenoxycarb         ND         ND         ND         0.2         0.1         Pass           Fenpyroximate         ND         ND         ND         0.4         0.1         Pass           Flonicamid         ND         ND         ND         0.4         0.1         Pass           Fludioxonil         ND         ND         0.4         0.1         Pass           Hexythiazox         ND         ND         0.0         0.1         Pass           Imidacloprid	Cyfluthrin	ND	ND	1.0	0.5		Pass
Diazinon         ND         ND         0.2         0.1         Pass           Dichlorvos (DDVP)         ND         ND         ND         1.0         0.5         Pass           Dimethoate         ND         ND         ND         0.2         0.1         Pass           Ethoprophos         ND         ND         ND         0.2         0.1         Pass           Etofenprox         ND         ND         ND         0.4         0.1         Pass           Etoxazole         ND         ND         ND         0.2         0.1         Pass           Fenoxycarb         ND         ND         ND         0.4         0.1         Pass           Fenpyroximate         ND         ND         ND         0.4         0.1         Pass           Fipronil         ND         ND         ND         0.4         0.1         Pass           Fludioxonil         ND         ND         ND         0.4         0.1         Pass           Hexythiazox         ND         ND         ND         0.4         0.1         Pass           Imidacloprid         ND         ND         0.4         0.1         Pass           K	Cypermethrin	ND	ND	1.0	0.1		Pass
Dichlorvos (DDVP)         ND         ND         1.0         0.5         Pass           Dimethoate         ND         ND         ND         0.2         0.1         Pass           Ethoprophos         ND         ND         ND         0.2         0.1         Pass           Etofenprox         ND         ND         ND         0.4         0.1         Pass           Etoxazole         ND         ND         ND         0.2         0.1         Pass           Fenoxycarb         ND         ND         ND         0.4         0.1         Pass           Fiprorial         ND         ND         ND         0.4         0.1         Pass           Fludioxonil         ND         ND         ND         0.4         0.1         Pass           Hexythiazox         ND         ND         ND         0.4         0.1         Pass           Imazalil         ND         ND         ND         0.4         0.1         Pass           Kresoxim-methyl         ND         ND         ND         0.4         0.1         Pass	Daminozide	ND	ND	1.0	0.5		Pass
Dimethoate         ND         ND         0.2         0.1         Pass           Ethoprophos         ND         ND         ND         0.2         0.1         Pass           Etofenprox         ND         ND         ND         0.4         0.1         Pass           Etoxazole         ND         ND         ND         0.2         0.1         Pass           Fenoxycarb         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           Fludioxonil         ND         ND         ND         0.4         0.1         Pass           Hexythiazox         ND         ND         ND         0.4         0.1         Pass           Imazalil         ND         ND         ND         0.2         0.1         Pass           Imidacloprid         ND         ND         0.4         0.1         Pass           Kresoxim-methyl         ND         ND         0.4         0.1         Pass	Diazinon	ND	ND	0.2	0.1		Pass
Ethoprophos         ND         ND         0.2         0.1         Pass           Etofenprox         ND         ND         0.4         0.1         Pass           Etoxazole         ND         ND         0.2         0.1         Pass           Fenoxycarb         ND         ND         0.2         0.1         Pass           Fenpyroximate         ND         ND         0.4         0.1         Pass           Fipronil         ND         ND         0.4         0.1         Pass           Fludicamid         ND         ND         0.4         0.1         Pass           Fludioxonil         ND         ND         0.4         0.1         Pass           Hexythiazox         ND         ND         ND         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	Dichlorvos (DDVP)	ND	ND	1.0	0.5		Pass
Etofenprox         ND         ND         0.4         0.1         Pass           Etoxazole         ND         ND         ND         0.2         0.1         Pass           Fenoxycarb         ND         ND         ND         0.2         0.1         Pass           Fenpyroximate         ND         ND         ND         0.4         0.1         Pass           Fipronil         ND         ND         ND         0.1         Pass           Fludioxonil         ND         ND         0.4         0.1         Pass           Hexythiazox         ND         ND         ND         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	Dimethoate	ND	ND	0.2	0.1		Pass
Etoxazole         ND         ND         0.2         0.1         Pass           Fenoxycarb         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	Ethoprophos	ND	ND	0.2	0.1		Pass
Fenoxycarb  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 Fludioxonil  ND  ND  ND  0.4 0.1 Pass Imazalil  ND  ND  ND  0.2 0.1 Pass Imazalil  ND  ND  ND  0.4 0.1 Pass	Etofenprox	ND	ND	0.4	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	Etoxazole	ND	ND	0.2	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	Fenoxycarb	ND	ND	0.2	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	Fenpyroximate	ND	ND	0.4	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	Fipronil	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	Flonicamid	ND	ND	1.0	0.1		Pass
ImazalilNDND0.20.1PassImidaclopridNDND0.40.1PassKresoxim-methylNDND0.40.1Pass	Fludioxonil	ND	ND	0.4	0.1		Pass
Imidacloprid ND ND 0.4 0.1 Pass Kresoxim-methyl ND ND 0.4 0.1 Pass	Hexythiazox	ND	ND	1.0	0.1		Pass
Kresoxim-methyl ND ND 0.4 0.1 Pass	Imazalil	ND	ND	0.2	0.1		Pass
•	Imidacloprid	ND	ND	0.4	0.1		Pass
$ \begin{tabular}{lllllllllllllllllllllllllllllllllll$	Kresoxim-methyl	ND	ND	0.4	0.1		Pass
	Malathion	ND	ND	0.2	0.1		Pass

Analyte	MGJ-WRN-DJW	ZSN-GXH-RTS	Limits	LOQ	Notes	Status
Metalaxyl	ND	ND	0.2	0.1		Pass
Methiocarb	ND	ND	0.2	0.1		Pass
Methomyl	ND	ND	0.4	0.1		Pass
Methyl Parathion	ND	ND	0.2	0.2		Pass
MGK-264	ND	ND	0.2	0.2		Pass
Myclobutanil	ND	ND	0.2	0.1		Pass
Naled	ND	ND	0.5	0.2		Pass
0xamy1	ND	ND	1.0	0.1		Pass
Paclobutrazol	ND	ND	0.4	0.1		Pass
Permethrins	ND	ND	0.2	0.1		Pass
Phosmet	ND	ND	0.2	0.1		Pass
Piperonyl Butoxide	ND	ND	2.0	0.1		Pass
Prallethrin	ND	ND	0.2	0.1		Pass
Propiconazole	ND	ND	0.4	0.1		Pass
Propoxur	ND	ND	0.2	0.1		Pass
Pyrethrins	ND	ND	1.0	0.5		Pass
Pyridaben	ND	ND	0.2	0.1		Pass
Spinosad	ND	ND	0.2	0.1		Pass
Spiromesifen	ND	ND	0.2	0.1		Pass
Spirotetramat	ND	ND	0.2	0.1		Pass
Spiroxamine	ND	ND	0.4	0.1		Pass
Tebuconazole	ND	ND	0.4	0.1		Pass
Thiacloprid	ND	ND	0.2	0.1		Pass
Thiamethoxam	ND	ND	0.2	0.1		Pass
Trifloxystrobin	ND	ND	0.2	0.1		Pass



### **TB-21**

Danodan Hempworks 6019 NE MLK JR. BLVD. PORTLAND, OR 97217 (503) 290-4079 Sample Type: Tinctures Sample Date: 2/13/2020 Analysis Date: 2/18/2020 Report Date: 2/25/2020 Metrc Batch ID:

Metrc Sample ID:

Harvest/Process Date: 10/31/2019 Report ID: LS-200221-34 Sample Plan ID:SP-200213-1-A

Sample Procedure: 160721\_LAB-SOP\_SampleCollection-v007



Quality Control Data

Blank LOQ LCS

Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
Abamectin	ND	0.1	1.49	1.00	149	50 - 150	
Acephate	ND	0.1	1.04	1.00	104	50 - 150	
Acequinocyl	ND	1.5	ND	1.00	0.00	50 - 150	ND
Acetamiprid	ND	0.1	0.873	1.00	87.3	50 - 150	
Aldicarb	ND	0.1	0.743	1.00	74.3	50 - 150	
Azoxystrobin	ND	0.1	0.830	1.00	83.0	50 - 150	
Bifenazate	ND	0.1	3.74	1.00	374	50 - 150	НВ
Bifenthrin	ND	0.1	0.936	1.00	93.6	50 - 150	
Boscalid	ND	0.1	1.18	1.00	118	50 - 150	
Carbaryl	ND	0.1	0.640	1.00	64.0	50 - 150	
Carbofuran	ND	0.1	0.629	1.00	62.9	50 - 150	
Chlorantraniliprole	ND	0.1	0.976	1.00	97.6	50 - 150	
Chlorfenapyr	ND	0.1	1.20	1.00	120	50 - 150	
Chlorpyrifos	ND	0.1	0.981	1.00	98.1	50 - 150	
Clofentezine	ND	0.1	0.924	1.00	92.4	50 - 150	
Cyfluthrin	ND	0.5	1.18	1.00	118	50 - 150	
Cypermethrin	ND	0.1	1.36	1.00	136	50 - 150	
Daminozide	ND	0.5	ND	1.00	0.00	10 - 150	ND
Diazinon	ND	0.1	1.08	1.00	108	50 - 150	
Dichlorvos (DDVP)	ND	0.5	0.580	1.00	58.0	50 - 150	
Dimethoate	ND	0.1	0.832	1.00	83.2	50 - 150	
Ethoprophos	ND	0.1	1.12	1.00	112	50 - 150	
Etofenprox	ND	0.1	1.18	1.00	118	50 - 150	
Etoxazole	ND	0.1	0.704	1.00	70.4	50 - 150	
Fenoxycarb	ND	0.1	1.45	1.00	145	50 - 150	
Fenpyroximate	ND	0.1	1.16	1.00	116	50 - 150	
Fipronil	ND	0.1	1.47	1.00	147	50 - 150	
Flonicamid	ND	0.1	0.692	1.00	69.2	50 - 150	
Fludioxonil	ND	0.1	1.32	1.00	132	50 - 150	
Hexythiazox	ND	0.1	0.592	1.00	59.2	50 - 150	
Imazalil	ND	0.1	0.872	1.00	87.2	50 - 150	
Imidacloprid	ND	0.1	1.18	1.00	118	50 - 150	
Kresoxim-methyl	ND	0.1	1.15	1.00	115	50 - 150	
Malathion	ND	0.1	1.06	1.00	106	50 - 150	

Pesticides QC Analysis Date: 2/18/2020 Pesticides QC Batch ID: PST\_021820A Method: EN 15662 Unit: μg/g (ppm)

Analyte	Blank	LOQ	LCS	LCS Spike	LCS Rec (%)	Limits (%)	Notes
Metalaxyl	ND	0.1	0.960	1.00	96.0	50 - 150	
Methiocarb	ND	0.1	0.879	1.00	87.9	50 - 150	
Methomyl	ND	0.1	0.438	1.00	43.8	50 - 150	ME
Methyl Parathion	ND	0.2	0.725	1.00	72.5	30 - 150	
MGK-264	ND	0.2	0.511	0.600	85.2	50 - 150	
Myclobutanil	ND	0.1	0.871	1.00	87.1	50 - 150	
Naled	ND	0.2	2.47	1.00	247	50 - 150	НВ
0xamy1	ND	0.1	0.643	1.00	64.3	50 - 150	
Paclobutrazol	ND	0.1	0.764	1.00	76.4	50 - 150	
Permethrins	ND	0.1	1.06	1.00	106	50 - 150	
Phosmet	ND	0.1	1.08	1.00	108	50 - 150	
Piperonyl Butoxide	ND	0.1	0.879	1.00	87.9	50 - 150	
Prallethrin	ND	0.1	1.05	1.00	105	50 - 150	
Propiconazole	ND	0.1	1.15	1.00	115	50 - 150	
Propoxur	ND	0.1	0.607	1.00	60.7	50 - 150	
Pyrethrins	ND	0.5	0.588	1.00	58.8	50 - 150	
Pyridaben	ND	0.1	1.13	1.00	113	50 - 150	
Spinosad	ND	0.1	1.39	1.00	139	50 - 150	
Spiromesifen	ND	0.1	1.60	1.00	160	50 - 150	ME
Spirotetramat	ND	0.1	1.24	1.00	124	50 - 150	
Spiroxamine	ND	0.1	1.28	1.00	128	50 - 150	
Tebuconazole	ND	0.1	1.29	1.00	129	50 - 150	
Thiacloprid	ND	0.1	0.850	1.00	85.0	50 - 150	
Thiamethoxam	ND	0.1	0.685	1.00	68.5	50 - 150	
Trifloxystrobin	ND	0.1	1.47	1.00	147	50 - 150	





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

LB

ME

LR

LOQ

Marginal Exceedance

Low Recovery Analyte

Limit of Quantitation

Sample Type: Tinctures Sample Date: 2/13/2020 Analysis Date: 2/18/2020 Report Date: 2/25/2020 Metrc Batch ID:

Metrc Sample ID:

Harvest/Process Date: 10/31/2019 Report ID: LS-200221-34 Sample Plan ID:SP-200213-1-A

Sample Procedure: 160721\_LAB-SOP\_SampleCollection-v007

### **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

Control acceptance criteria are exceeded low and the associated sample exceeds the regulatory limit



# 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.





# 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.



#### 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