

HOW TO READ OUR CERTIFICATE OF ANALYSIS (COA)

Using Lightscale Labs, we perform all tests required under state law for recreational cannabis, medical cannabis, and industrial hemp. Chromatography is used for all required tests, a technique where liquid or gas separates different cannabinoids, pesticides, and residual solvents so that each can be identified and measured precisely.

PAGE I CANNABINOID POTENCY



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.



**LIGHTSCALE
LABS**

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

info@lightscale.com
ORLAP #4112
OLCC #010-1003340D344

Shot-15-12

Danodan Hempworks

(503) 290-4079

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

Potency

Potency Analysis Date: 12/3/2019
Potency Batch ID: CAN_120319C
Potency Method: JAOAC 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	5.05	0.947	0.996	0.972	
THCA	Tetrahydrocannabinolic acid	0.28	0.00	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	0.00	ND	ND	ND	
THCV	Tetrahydrocannabivarin*	0.28	0.00	ND	ND	ND	
CBG	Cannabigerol*	0.28	0.493	0.441	0.444	0.443	
CBGA	Cannabigerolic acid*	0.28	0.00	ND	ND	ND	
CBC	Cannabichromene*	0.28	4.72	0.586	0.615	0.601	
CBCA	Cannabichromenic acid*	0.28	0.00	ND	ND	ND	
CBN	Cannabinol	0.28	0.00	<LOQ	<LOQ	<LOQ	
Total THC	Δ9THC + (THCA × 0.877)		5.05	0.947	0.996	0.972	
Total CBD	CBD + (CBDA × 0.877)		0.605	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
Solvents	Within limits	Analysis Date: 12/3/2019	Pass
Potency	Within limits	Analysis Date: 12/3/2019	Pass

Bryce Kidd
Bryce Kidd, Ph.D.
Lab Director

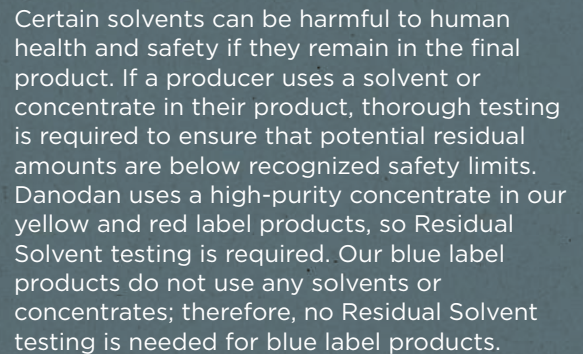
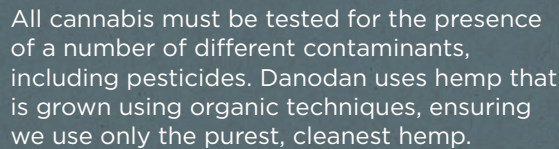
Aaron Troyer
Aaron Troyer
Chief Science Officer



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PAGE 4-5 RESIDUAL SOLVENT DATA



LIGHTS LABS

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Durham, NC 27727
(919) 493-2029
info@lightslabs.com
ORCLAP #4102
OLC-USP-GEN-10033-RG00344

Shot-15-12

Danielaan Hempnagels

Sample Type: Tinctures
Sample Date: 12/22/2019
Analysis Date: 12/22/2019
Report Date: 12/16/2019

Metric Batch ID:

Matrix Sample ID:

Method: EPA 8210A
Project ID:
LS-191204-28

(919) 290-4079

Residual Solvents Sample Data

Method: EPA 8210A
(http://epd.usg.gov)

Pure

Analysis	ZH-FPD-PYD	TIT-GMS-SHT	RFD (%)	Limits	LOQ	Name	Status
1,4-Dioxane	ND	ND	0.00	280.0	50.0	Pass	
2-Butoxal	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	410.0	50.0	Pass	
Benzene	ND	ND	0.00	2.0	2.0	Pass	
Bisoxane	ND	ND	0.00	5000.0	250.0	Pass	
Cumene	ND	ND	0.00	70.0	50.0	Pass	
Cyclohexane	ND	ND	0.00	3800.0	250.0	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	
Naphthalene	ND	ND	0.00	5000.0	250.0	Pass	
Hexanes	ND	ND	0.00	250.0	50.0	Pass	
Isoamylalcohol (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	
Dimethylmethane	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	600.0	50.0	Pass	
Xylenes	ND	ND	0.00	2170.0	50.0	Pass	

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4 of 6

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5 of 6

Sleep-02

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-210707-5
Sample Plan: ZN-ZN-JM-NN_20210630_2B
Sample Procedure: 160721_LAB-SOP_SampleCollection-v010

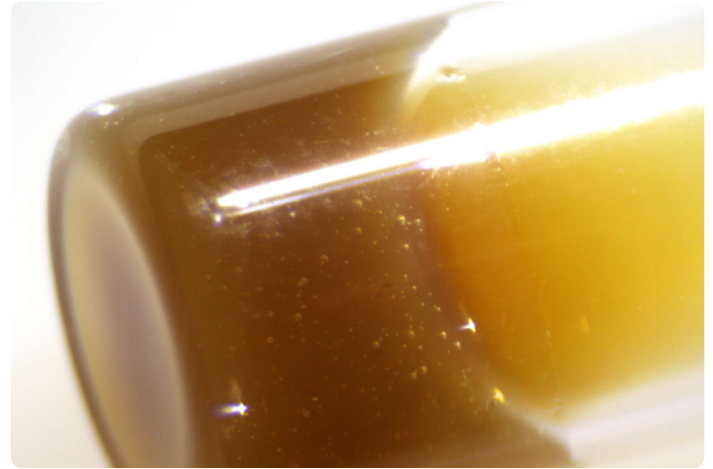
Potency

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

16.4 mg/mL Total CBD
1.44%




0.609 mg/mL Total THC
0.0534%

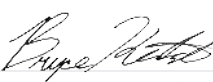
Samples: PNB-XXJ-SSH, FFD-HXX-PWD



Analyte	Description	LOQ	RPD (%)	Min.	Max.	Avg.	Unit: mg/mL
Δ9THC	Delta-9 Tetrahydrocannabinol	0.0057	2.05	0.549	0.561	0.555	
THCA	Tetrahydrocannabinolic acid	0.0057	1.87	0.0604	0.0615	0.0610	
CBD	Cannabidiol	0.0057	1.16	16.1	16.2	16.1	
CBDA	Cannabidiolic acid	0.0057	2.35	0.384	0.393	0.389	
Δ8THC	Delta-8 Tetrahydrocannabinol*	0.0057	0.00	ND	ND	ND	
THCV	Tetrahydrocannabivarin*	0.0057	0.00	ND	ND	ND	
CBG	Cannabigerol*	0.0057	0.662	0.343	0.345	0.344	
CBGA	Cannabigerolic acid*	0.0057	0.00	ND	ND	ND	
CBC	Cannabichromene*	0.0057	0.494	0.691	0.694	0.693	
CBCA	Cannabichromenic acid*	0.0057	0.00	ND	ND	ND	
CBN	Cannabinol*	0.0057	0.00	0.0194	0.0194	0.0194	
Total THC	Δ9THC + (THCA × 0.877)		2.04	0.602	0.614	0.609	
Total CBD	CBD + (CBDA × 0.877)		1.18	16.4	16.5	16.4	
Total			0.978	18.1	18.4	18.2	

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



Sleep-02

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-210707-5
Sample Plan: ZN-ZN-JM-NN_20210630_2B
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	0.0057	19.8	19.1	104	80 - 120	
THCA	ND	0.0057	19.6	19.2	102	80 - 120	
CBD	ND	0.0057	25.8	24.6	105	80 - 120	
CBDa	ND	0.0057	21.2	21.2	100	80 - 120	

Sleep-02

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-210707-5
Sample Plan: ZN-ZN-JM-NN_20210630_2B
Sample Procedure: 160721_LAB-SOP_SampleCollection-v010



Pesticides Sample Data

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

Unit: µg/g (ppm) Pass 
Method: AOAC 2007.01 & EN 15662

Analyte	PNB-XXJ-SSH	FFD-HXX-PWD	Limits	LOQ	Notes	Status	Analyte	PNB-XXJ-SSH	FFD-HXX-PWD	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							



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ORELAP #4112
OLCC #010-1003340D344

Sleep-02

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-210707-5 Sample Plan: ZN-ZN-JM-NN_20210630_2B Sample Procedure: 160721_LAB-SOP_SampleCollection-v010
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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									

Sleep-02

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-210707-5
Sample Plan: ZN-ZN-JM-NN_20210630_2B
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									

Sleep-02

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-210707-5
Sample Plan: ZN-ZN-JM-NN_20210630_2B
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	PNB-XXJ-SSH	FFD-HXX-PWD	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	<LOQ	ND	0.00	5000.0	250.0		Pass
Acetonitrile	ND	ND	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

Sleep-02

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-210707-5
Sample Plan: ZN-ZN-JM-NN_20210630_2B
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	

Sleep-02

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Sample Procedure: 160721_LAB-SOP_SampleCollection-v010

Qualifier Flag Descriptions

J	Reported result is an estimate - the value is less than the minimum calibration level but greater than the estimated detection limit (EDL)
U	The analyte was not detected in the sample at the estimated detection limit (EDL)
E	Exceeds calibration range
D	Dilution data - result was obtained from the analysis of a dilution
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