

# 1904015-ORC

Sublime Solutions  
 500 S. Danebo Street  
 Eugene, OR 97402  
 541-484-5770

Sample Type: Combined Category  
 Sample Date: 4/30/2019  
 Analysis Date: 5/1/2019  
 Report Date: 5/3/2019

Metric Batch ID:  
 1A401030000697B000004875  
 Metric Sample ID:  
 1A401030000697B000004879

Harvest/Process Date:  
 Report ID:  
**LS-190502-3**

## Potency

Potency Analysis Date: 5/1/2019  
 Potency Batch ID: CAN\_050119A  
 Potency Method: JAOAC 2015.1

# 68.7%

Total  
THC

# ND

Total  
CBD



Samples: FDW-DGZ-HSZ, THX-BBX-XFZ

Analyte	Description	LOQ	RPD	Min.	Max.	Avg.	Unit: %
<b>Δ9THC</b>	Delta-9 Tetrahydrocannabinol	1.0	0.0514	68.7	68.7	68.7	<div style="width: 68.7%;"></div>
<b>THCA</b>	Tetrahydrocannabinolic acid	1.0	0.00	ND	ND	ND	<div style="width: 0%;"></div>
<b>CBD</b>	Cannabidiol	1.0	0.00	ND	ND	ND	<div style="width: 0%;"></div>
<b>CBDA</b>	Cannabidiolic acid	1.0	0.00	ND	ND	ND	<div style="width: 0%;"></div>
<b>Δ8THC</b>	Delta-8 Tetrahydrocannabinol*	1.0	0.00	ND	ND	ND	<div style="width: 0%;"></div>
<b>THCV</b>	Tetrahydrocannabivarin*	1.0	0.00	<LOQ	<LOQ	<LOQ	<div style="width: 0%;"></div>
<b>CBG</b>	Cannabigerol*	1.0	3.39	2.84	2.93	2.89	<div style="width: 2.89%;"></div>
<b>CBGA</b>	Cannabigerolic acid*	1.0	0.00	ND	ND	ND	<div style="width: 0%;"></div>
<b>CBC</b>	Cannabichromene*	1.0	0.00	<LOQ	<LOQ	<LOQ	<div style="width: 0%;"></div>
<b>CBCA</b>	Cannabichromenic acid*	1.0	0.00	ND	ND	ND	<div style="width: 0%;"></div>
<b>CBN</b>	Cannabinol	1.0	11.4	1.36	1.53	1.44	<div style="width: 1.44%;"></div>
<b>Total THC</b>	Δ9THC + (THCA × 0.877)		0.0514	68.7	68.7	68.7	<div style="width: 68.7%;"></div>
<b>Total CBD</b>	CBD + (CBDA × 0.877)		0.00	ND	ND	ND	<div style="width: 0%;"></div>
<b>Total</b>			0.0437	72.9	73.2	73.0	

## Compliance

Potency Within limits Analysis Date: 5/1/2019 Pass 

  
 Ian Eustis  
 Lab Director

  
 Aaron Troyer  
 Chief Science Officer



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## Potency Quality Control Data

Potency QC Analysis Date: 5/2/2019  
 Potency QC Batch ID: CAN\_050119A

Method: J.AOAC 2015.1

LCS Recovery				Matrix Recovery			
Compound	Recovery	Acceptance	Pass/Fail	Compound	Recovery	Acceptance	Pass/Fail
CBDA	94%	80-120%	Pass	CBDA	99%	70-130%	Pass
CBD	97%	80-120%	Pass	CBD	104%	70-130%	Pass
CBN	#DIV/O!	80-120%	#DIV/O!	CBN	#DIV/O!	70-130%	#DIV/O!
THC	98%	80-120%	Pass	THC	92%	70-130%	Pass
THCA	93%	80-120%	Pass	THCA	98%	70-130%	Pass

  

LCS							
Filename: CAN_050119A_CGFB-TGHN-LCS_512019_1431 PM_005.lcd							
CBDA	2.336	20.108 ug/g	Ch5 228nm	1	213288	104126	23.837
CBGA	No peak is detected.	0 ug/g	Ch5 228nm-		0	0	0 --
CBG	2.47	1.323 ug/g	Ch5 228nm	2	9422	4681	1.053
CBD	2.551	38.442 ug/g	Ch5 228nm	3	218606	108951	24.432
THCV	No peak is detected.	0 ug/g	Ch5 228nm-		0	0	0 --
CBN	No peak is detected.	0 ug/g	Ch5 228nm-		0	0	0 --
d9THC	3.308	30.152 ug/g	Ch5 228nm	6	164889	78190	18.428
d8THC	No peak is detected.	0 ug/g	Ch5 228nm-		0	0	0 --
CBC	3.555	1.76 ug/g	Ch5 228nm	7	31601	14004	3.532
THCA	3.672	22.33 ug/g	Ch5 228nm	8	212684	97105	23.77
CBCA	No peak is detected.	0 ug/g	Ch4 255nm-		0	0	0 --
Primary Sample							
Filename: CAN_050119A_HFZ-PMB-STC_512019_1431 PM_006.lcd							
CBDA	No peak is detected.	0 ug/g	Ch5 228nm-		0	0	0 --
CBGA	No peak is detected.	0 ug/g	Ch5 228nm-		0	0	0 --
CBG	2.473	36.437 ug/g	Ch5 228nm	1	26402	13935	4.413
CBD	No peak is detected.	0 ug/g	Ch5 228nm-		0	0	0 --
THCV	2.622	4.52 ug/g	Ch5 228nm	2	3506	1701	0.586
CBN	3.013	0.358 ug/g	Ch5 228nm	4	2739	1408	0.458
d9THC	3.312	834.656 ug/g	Ch5 228nm	5	536266	251562	89.633
d8THC	No peak is detected.	0 ug/g	Ch5 228nm-		0	0	0 --
CBC	3.56	6.506 ug/g	Ch5 228nm	7	17979	7794	3.005
THCA	No peak is detected.	0 ug/g	Ch5 228nm-		0	0	0 --
CBCA	No peak is detected.	0 ug/g	Ch4 255nm-		0	0	0 --
Spiked Sample							
Filename: CAN_050119A_HFZ-PMB-STC_512019_1431 PM_008.lcd							
Mass (mg): 51.80							
Dilution: 400.00							
CBDA	2.337	162.604 ug/g	Ch5 228nm	1	223275	111004	14.088
CBGA	No peak is detected.	0 ug/g	Ch5 228nm-		0	0	0 --
CBG	2.472	48.793 ug/g	Ch5 228nm	2	38273	20187	2.415
CBD	2.553	318.873 ug/g	Ch5 228nm	3	234838	118039	14.817
THCV	No peak is detected.	0 ug/g	Ch5 228nm-		0	0	0 --
CBN	3.008	6.155 ug/g	Ch5 228nm	5	12178	3230	0.768
d9THC	3.309	1053.899 ug/g	Ch5 228nm	7	749868	348399	47.313
d8THC	No peak is detected.	0 ug/g	Ch5 228nm-		0	0	0 --
CBC	3.556	23.91 ug/g	Ch5 228nm	8	49816	23052	3.143
THCA	3.673	181.947 ug/g	Ch5 228nm	9	224335	102896	14.155
CBCA	No peak is detected.	0 ug/g	Ch4 255nm-		0	0	0 --
LCS Concentration							
Spike ID: HZFM-TRBC Only Change these numbers if using a new/different spiking solution							
CBDA	21.291 mg/g						
CBD	39.571 mg/g						
CBN	mg/g						
THC	30.908 mg/g						
THCA	23.988 mg/g						

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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