

# 1905013-ORC

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

Sample Type: Combined Category  
 Sample Date: 5/22/2019  
 Analysis Date: 5/23/2019  
 Report Date: 5/24/2019

Metric Batch ID:  
 1A401030000697B000005019  
 Metric Sample ID:  
 1A401030000697B000005038

Harvest/Process Date:  
 Report ID:  
**LS-190524-18**

## Potency

Potency Analysis Date: 5/23/2019  
 Potency Batch ID: CAN\_052319A  
 Potency Method: JAOAC 2015.1

# 65.9%

Total  
THC

# ND


Total  
CBD



Samples: XDP-CCZ-ZHT, MPH-JCM-HBS

Analyte	Description	LOQ	RPD	Min.	Max.	Avg.	Unit: %
<b>Δ9THC</b>	Delta-9 Tetrahydrocannabinol	1.0	3.46	64.7	67.0	<b>65.9</b>	
<b>THCA</b>	Tetrahydrocannabinolic acid	1.0	0.00	ND	ND	<b>ND</b>	
<b>CBD</b>	Cannabidiol	1.0	0.00	ND	ND	<b>ND</b>	
<b>CBDA</b>	Cannabidiolic acid	1.0	0.00	ND	ND	<b>ND</b>	
<b>Δ8THC</b>	Delta-8 Tetrahydrocannabinol*	1.0	0.00	ND	ND	<b>ND</b>	
<b>THCV</b>	Tetrahydrocannabivarin*	1.0	0.00	<LOQ	<LOQ	<LOQ	
<b>CBG</b>	Cannabigerol*	1.0	3.88	2.12	2.20	2.16	
<b>CBGA</b>	Cannabigerolic acid*	1.0	0.00	ND	ND	<b>ND</b>	
<b>CBC</b>	Cannabichromene*	1.0	2.38	1.04	1.06	1.05	
<b>CBCA</b>	Cannabichromenic acid*	1.0	0.00	ND	ND	<b>ND</b>	
<b>CBN</b>	Cannabinol	1.0	0.00	<LOQ	<LOQ	<LOQ	
<b>Total THC</b>	Δ9THC + (THCA × 0.877)		3.46	64.7	67.0	<b>65.9</b>	
<b>Total CBD</b>	CBD + (CBDA × 0.877)		0.00	ND	ND	<b>ND</b>	
<b>Total</b>			3.46	67.9	70.3	69.1	

## Compliance

Potency Within limits Analysis Date: 5/23/2019 Pass 

  
 Ian Eustis  
 Lab Director

  
 Aaron Troyer  
 Chief Science Officer



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## Potency Quality Control Data

Potency QC Analysis Date: 5/23/2019  
 Potency QC Batch ID: PST\_052319A

Method: JAOAC 2015.1

LCS Recovery				Matrix Recovery			
Compound	Recovery	Acceptance	Pass/Fail	Compound	Recovery	Acceptance	Pass/Fail
CBDA	93%	80-120%	Pass	CBDA	92%	70-130%	Pass
CBD	94%	80-120%	Pass	CBD	85%	70-130%	Pass
CBN	#DIV/0!	80-120%	#DIV/0!	CBN	#DIV/0!	70-130%	#DIV/0!
THC	93%	80-120%	Pass	THC	86%	70-130%	Pass
THCA	93%	80-120%	Pass	THCA	92%	70-130%	Pass

LCS							
Filename:	CAN_052319A_CGFB-TGHN-LCS_5232019_1453_PM_005.lcd						
CBDA	2.389	26.817	ug/g	Ch5 228nm	2	264928	140943
CBGA	No peak is detected.		0	ug/g	Ch5 228nm-	0	0
CBG	2.527	1.259	ug/g	Ch5 228nm	3	6406	3250
CBD	2.619	26.197	ug/g	Ch5 228nm	4	140930	79401
THCV	No peak is detected.		0	ug/g	Ch5 228nm-	0	0
CBN	3.098	-0.093	ug/g	Ch5 228nm	6	4365	1552
d9THC	3.412	25.331	ug/g	Ch5 228nm	7	134903	71843
d8THC	No peak is detected.		0	ug/g	Ch5 228nm-	0	0
CBC	3.663	0.691	ug/g	Ch5 228nm	8	10974	5738
THCA	3.784	25.802	ug/g	Ch5 228nm	9	230162	118890
CBCA	3.917	1.545	ug/g	Ch4 255nm	3	26681	13607

Primary Sample							
Filename:	CAN_052319A_SWR-JNM-TXP_5232019_1453_PM_006.lcd						
CBDA	No peak is detected.		0	ug/g	Ch5 228nm-	0	0
CBGA	No peak is detected.		0	ug/g	Ch5 228nm-	0	0
CBG	2.525	31.442	ug/g	Ch5 228nm	1	17640	9496
CBD	2.618	366.004	ug/g	Ch5 228nm	2	201920	113946
THCV	No peak is detected.		0	ug/g	Ch5 228nm-	0	0
CBN	3.095	1.682	ug/g	Ch5 228nm	5	7459	3661
d9THC	3.411	332.054	ug/g	Ch5 228nm	7	179912	96267
d8THC	No peak is detected.		0	ug/g	Ch5 228nm-	0	0
CBC	3.661	30.094	ug/g	Ch5 228nm	9	42526	23044
THCA	No peak is detected.		0	ug/g	Ch5 228nm-	0	0
CBCA	No peak is detected.		0	ug/g	Ch4 255nm-	0	0

Spiked Sample							
Filename:	CAN_052319A_SWR-JNM-TXP_5232019_1453_PM_008.lcd						
Mass (mg):	42.70						
Dilution:	400.00						
CBDA	2.387	247.769	ug/g	Ch5 228nm	3	261340	142770
CBGA	No peak is detected.		0	ug/g	Ch5 228nm --	0	0
CBG	2.524	40.435	ug/g	Ch5 228nm	4	23895	13194
CBD	2.617	586.156	ug/g	Ch5 228nm	5	336944	188568
THCV	2.697	6.122	ug/g	Ch5 228nm	6	2529	1404
CBN	3.093	5.062	ug/g	Ch5 228nm	8	11757	5254
d9THC	3.409	552.383	ug/g	Ch5 228nm	10	308828	165573
d8THC	No peak is detected.		0	ug/g	Ch5 228nm --	0	0
CBC	3.659	37.387	ug/g	Ch5 228nm	11	54470	29755
THCA	3.78	238.021	ug/g	Ch5 228nm	12	226683	117379
CBCA	3.914	14.364	ug/g	Ch4 255nm	3	26474	13908

LCS Concentration		
Spike ID:	MBTF-FPCM Only Change these numbers if using a new/different spiking solution	
CBDA	28.752 mg/g	
CBD	27.795 mg/g	
CBN	0 mg/g	
THC	27.207 mg/g	
THCA	27.677 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