

Client Name: Pine Rock LLC

261 Mountain View Dr Colchester, VT 05446 License #: TLAB0030 802-767-7256 info@onwardanalytics.biz

Certificate of Analysis

License Number: SCLT0256
Sample ID: VT6669
Sample Name: Pure Michigan
Sample Lot: PL0256-2
Sample Matrix: Flower
Date Received: 1/16/2024
Date Reported: 1/23/2024
Date Tested: 1/17/2024



Total Cannabinoids					
% mg/g					
Total THC:	21.870	218.698			
Total CBD:					
Total Cannabinoids:	25.486	254.862			

Total theoretical CBD % = (CBD%) + (CBDA% * 0.877) Total theoretical THC % = (delta-9-THC%) + (THCA% * 0.877)

Potency

Standard potency analysis utilizing High Performance Liquid Chromatography (HPLC; SOP-024-0A) | Test ID: #19486

Analyte	% (Dry)	mg/g (Dry)	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	ND	ND	ND	ND	0.0003	0.0040
CBCA	0.2602	2.602	0.235	2.35	0.0002	0.0040
CBD	< LOQ	< LOQ	< LOQ	< LOQ	0.0008	0.0040
CBDA	ND	ND	ND	ND	0.0002	0.0040
CBDV	ND	ND	ND	ND	0.0008	0.0040
CBDVA	ND	ND	ND	ND	0.0001	0.0040
CBG	< LOQ	< LOQ	< LOQ	< LOQ	0.0009	0.0040
CBGA	0.3629	3.629	0.3276	3.276	0.0001	0.0040
CBN	ND	ND	ND	ND	0.0004	0.0040
CBNA	ND	ND	ND	ND	0.0002	0.0040
D8 THC	ND	ND	ND	ND	0.0012	0.0040
D9 THC	0.5272	5.272	0.476	4.76	0.0016	0.0049
D10 THC	ND	ND	ND	ND	0.0004	0.0040
THCA	24.3359	243.359	21.9729	219.729	0.0002	0.0040
THCV	ND	ND	ND	ND	0.0016	0.0049
THCVA	< L00	< LOO	< LOO	< LOO	0.0002	0.0040

Moisture & Wate	r Activity	PASS	
Water Activity and Moisture	Content Analysis (SOP-202-OA) Tes	st ID: #19487	
Analyte	Result (%)	Limit	Pass/Fail
Moisture	9.71	13.00	
Water Activity	0.39	0.65	PASS

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Pathogens		PASS	
Microbiological screening utilizi	ng qPCR (SOP-204-OA) Test ID: #19488		
Analyte	Result	Pass/Fail	
A. Fumigatus	None Detected	PASS	
A. Niger	None Detected	PASS	
A. Flavus	None Detected	PASS	
A. Terreus	None Detected	PASS	
STEC	None Detected	PASS	
Salmonella	None Detected	PASS	

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Pesticides

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License Number: SCLT0256
Sample ID: VT6675
Sample Name: HL: PM,C94,CaS, PBB, FOG
Sample Lot: PL0256-2
Sample Matrix: Flower
Date Received: 1/16/2024
Date Reported: 1/23/2024
Date Tested: 1/17/2024



Residual pesticide analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MSMS; SOP-070-OA) - Limit units: ppm | Test ID: #19502

Pass

Analyte	Pass/Fail	Result (ppm)	Limit	LOD (ppm)	LOQ (ppm)
Abamectin B1a	Pass	ND	0.10000	0.00156	0.01560
Abamectin B1b	Pass	ND	0.10000	0.00006	0.00060
Acephate	Pass	ND	0.10000	0.00168	0.01680
Acequinocyl	Pass	ND	0.10000	0.00167	0.01670
Azoxystrobin	Pass	ND	0.10000	0.00168	0.01680
Bifenazate	Pass	ND	0.10000	0.00167	0.01670
Bifenthrin	Pass	ND	3.00000	0.00167	0.01670
Carbaryl	Pass	ND	0.50000	0.00167	0.01670
Chlorpyrifos	Pass	ND	0.04000	0.00167	0.01670
Cypermethrin	Pass	ND	1.00000	0.00168	0.01680
Etoxazole	Pass	ND	0.10000	0.00168	0.01680
Imazalil	Pass	ND	0.04000	0.00167	0.01670
Imidacloprid	Pass	ND	5.00000	0.00166	0.01660
Myclobutanil	Pass	ND	0.10000	0.00167	0.01670
Spinosyn A	Pass	ND	0.10000	0.00120	0.01199
Spinos yn D	Pass	ND	0.10000	0.00042	0.00415
Pyrethrins	Pass	ND	0.50000	0.00022 0.00498 *	0.00072 0.00015 *

* Pyrethrins action limit represents sum of isomers I & II

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Date Tested: 1/17/2024

Total Terpenes (%): 2.388

Dominant Terpenes (%)				
Limonene 0.8976				
Myrcene	0.4641			
beta-caryophyllene	0.3403			
Ocimene	0.1914			
beta-Pinene	0.1605			

Certificate of Analysis



Terpenes

Standard terpene analysis utilizing Gas Chromatography - Mass Spectrometry (GC-MS; SOP-069-0A) | Test ID: #19507

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
3-Carene	ND	ND	0.000002	0.002
alpha-Bisabolol	0.0541	0.541	0.000003	0.002
alpha-Humulene	0.0616	0.616	0.000002	0.002
alpha-Pinene	0.1057	1.057	0.000001	0.002
alpha-Terpinene	ND	ND	0.000001	0.002
alpha-Terpinolene	ND	ND	0.000004	0.002
beta-caryophyllene	0.3403	3.403	0.000004	0.002
beta-Pinene	0.1605	1.605	0.000002	0.002
Camphene	0.012	0.12	0.000001	0.002
Caryophyllene Oxide	ND	ND	0.000011	0.002
Eucalyptol	ND	ND	0.000002	0.002
gamma-Terpinene	ND	ND	0.000002	0.002
Geraniol	ND	ND	0.000008	0.002
Guaiol	ND	ND	0.000007	0.002
Isopulegol	ND	ND	0.000005	0.002
Isopropyl Toluene	ND	ND	0.000003	0.002
Limonene	0.8976	8.976	0.000002	0.002
Linalool	0.0852	0.852	0.000003	0.002
Nerolidol	0.0155	0.155	0.000007	0.002
Myrcene	0.4641	4.641	0.000003	0.002
Ocimene	0.1914	1.914	0.000002	0.002
Total Terpenes	2.388	23.88		

Callie Chapman Lab Director 1/23/2024

