



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

Certificate of Analysis

Client Name: Pine Rock LLC
License Number: SCLT0256

Sample ID: VT12837
Sample Name: Pine Soul
Sample Lot: 0256-4
Sample Matrix: Flower
Date Received: 9/3/2024
Date Reported: 9/9/2024
Date Tested: 9/4/2024



Total Cannabinoids		
	%	mg/g
Total THC:	16.271	162.710
Total CBD:	--	--
Total Cannabinoids:	18.889	188.885

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-OA) | Test ID: #39247

Analyte	% (Dry)	mg/g (Dry)	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	ND	ND	ND	ND	0.0003	0.0040
CBCA	< LOQ	< LOQ	< LOQ	< LOQ	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	ND	ND	ND	ND	0.0009	0.0040
CBGA	0.3355	3.355	0.299	2.99	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	< LOQ	< LOQ	< LOQ	< LOQ	0.0016	0.0049
D10 THC	ND	ND	ND	ND	0.0004	0.0040
THCA	18.553	185.53	16.5326	165.326	0.0002	0.0040
THCV	ND	ND	ND	ND	0.0016	0.0049
THCVA	< LOQ	< LOQ	< LOQ	< LOQ	0.0002	0.0040

Moisture & Water Activity PASS

Water Activity and Moisture Content Analysis (SOP-202-OA) | Test ID: #39248

Analyte	Result (%)	Limit	Pass/Fail
Moisture	10.89	13.00	
Water Activity	0.50	0.65	PASS

Callie Chapman

Callie Chapman
 Lab Director
 9/9/2024

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Client Name: Pine Rock LLC
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Sample ID: VT12842
Sample Name: HL: PS, DT, RV, PH, OS
Sample Lot: 0256-4
Sample Matrix: Flower
Date Received: 9/3/2024
Date Reported: 9/9/2024
Date Tested: 9/3/2024



Pesticides Pass

Residual pesticide analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MSMS; SOP-070-OA) - **Limit units: ppm** | Test ID: #39267

Analyte	Pass/Fail	Result (ppm)	Limit	LOD (ppm)	LOQ (ppm)
Abamectin B1a	Pass	ND	0.10000	0.00137	0.00416
Abamectin B1b	Pass	ND	0.10000	0.00016	0.00048
Acephate	Pass	ND	0.10000	0.00233	0.00707
Acequinocyl	Pass	ND	0.10000	0.02958	0.08963
Azoxystrobin	Pass	ND	0.10000	0.00152	0.00459
Bifenazate	Pass	ND	0.10000	0.00101	0.00306
Bifenthrin	Pass	ND	3.00000	0.00385	0.01167
Carbaryl	Pass	ND	0.50000	0.00156	0.00473
Chlorpyrifos	Pass	ND	0.04000	0.00228	0.00689
Cypermethrin	Pass	ND	1.00000	0.00898	0.02720
Etoxazole	Pass	ND	0.10000	0.00176	0.00535
Imazalil	Pass	ND	0.04000	0.00147	0.00446
Imidacloprid	Pass	ND	5.00000	0.00029	0.01774
Myclobutanil	Pass	ND	0.10000	0.00166	0.00504
Spinosyn A	Pass	ND	0.10000	0.00104	0.00315
Spinosyn D	Pass	ND	0.10000	0.00061	0.00185
Pyrethrins	Pass	ND	0.50000	0.00022	0.00072
				0.00498 *	0.00015 *

* Pyrethrins action limit represents sum of isomers I & II



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Rev. 1 Initial Release

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Pathogens PASS

Microbiological screening utilizing qPCR (SOP-204-OA) | Test ID: #39250

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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Total Terpenes (%) : 2.2531

Dominant Terpenes (%)	
Limonene	1.2764
alpha-Pinene	0.2008
beta-Pinene	0.1939
beta-caryophyllene	0.1419
Linalool	0.1306

Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-OA) | Test ID: #39249

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
3-Carene	ND	ND	0.000002	0.001
alpha-Bisabolol	0.0324	0.324	0.000003	0.001
alpha-Humulene	0.0413	0.413	0.000002	0.001
alpha-Pinene	0.2008	2.008	0.000001	0.001
alpha-Terpinene	ND	ND	0.000001	0.001
alpha-Terpinolene	0.0124	0.124	0.000004	0.001
beta-caryophyllene	0.1419	1.419	0.000004	0.001
beta-Pinene	0.1939	1.939	0.000002	0.001
Camphene	0.0278	0.278	0.000001	0.001
Caryophyllene Oxide	0.0052	0.052	0.000011	0.001
Eucalyptol	< LOQ	< LOQ	0.000002	0.001
gamma-Terpinene	ND	ND	0.000002	0.001
Geraniol	0.0126	0.126	0.000008	0.003
Guaiol	ND	ND	0.000007	0.001
Isopulegol	ND	ND	0.000005	0.001
Isopropyl Toluene	ND	ND	0.000003	0.001
Limonene	1.2764	12.764	0.000002	0.001
Linalool	0.1306	1.306	0.000003	0.001
Nerolidol	ND	ND	0.000007	0.001
Myrcene	0.0811	0.811	0.000003	0.001
Ocimene	0.0967	0.967	0.000002	0.001
Total Terpenes	2.2531	22.531		



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