



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

Certificate of Analysis

Client Name: Lovespun Homestead LLC
License Number: SCLT00150



Sample ID: VT4268
Sample Name: Natty Bumpo
Sample Lot: HL-002
Sample Matrix: Flower
Date Received: 10/19/2023
Date Reported: 10/26/2023
Date Tested: 10/24/2023

Total Cannabinoids		
	%	mg/g
Total THC:	24.524	245.244
Total CBD:	--	--
Total Cannabinoids:	32.264	322.641

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: #10835

Analyte	% (Dry)	mg/g (Dry)	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	ND	ND	ND	ND	0.0003	0.0040
CBCA	0.8811	8.811	0.7676	7.676	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	3.1518	31.518	2.7458	27.458	0.0001	0.0040
CBN	ND	ND	ND	ND	0.0004	0.0040
CBNA	ND	ND	ND	ND	0.0002	0.0040
D8 THC	< LOQ	< LOQ	< LOQ	< LOQ	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	27.964	279.64	24.3623	243.623	0.0002	0.0040
THCV	ND	ND	ND	ND	0.0016	0.0049
THCVA	0.2672	2.672	0.2328	2.328	0.0002	0.0040

Moisture & Water Activity PASS

Water Activity and Moisture Content Analysis (SOP-202-OA) | Test ID: #10839

Analyte	Result (%)	Limit	Pass/Fail
Moisture	12.88	13.00	
Water Activity	0.58	0.65	PASS



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Sample ID: VT4269
Sample Name: Harvest Lot 002
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Pathogens PASS

Microbiological screening utilizing qPCR (SOP-204-OA) | Test ID: #10829

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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Date Tested: 10/20/2023



Pesticides Pass

Residual pesticide analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MSMS; SOP-070-OA) - Limit units: ppm | Test ID: #10828

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
Spinosyn 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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Total Terpenes (%) : 2.6277

Dominant Terpenes (%)	
trans-Caryophyllene	0.7426
Limonene	0.6295
alpha-Humulene	0.2867
alpha-Pinene	0.1728
beta-Pinene	0.1682

Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-OA) | Test ID: #10832

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
3-Carene	ND	ND	0.000002	0.002
alpha-Bisabolol	0.1573	1.573	0.000003	0.002
alpha-Humulene	0.2867	2.867	0.000002	0.002
alpha-Pinene	0.1728	1.728	0.000001	0.002
alpha-Terpinene	ND	ND	0.000001	0.002
alpha-Terpinolene	0.0295	0.295	0.000004	0.002
beta-Pinene	0.1682	1.682	0.000002	0.002
Camphene	0.049	0.49	0.000001	0.002
Caryophyllene Oxide	0.095	0.95	0.000011	0.002
Cineole	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	0.6295	6.295	0.000002	0.002
Linalool	0.092	0.92	0.000003	0.002
Nerolidol	ND	ND	0.000007	0.002
Myrcene	0.1551	1.551	0.000003	0.002
Ocimene	0.05	0.5	0.000002	0.002
trans-Caryophyllene	0.7426	7.426	0.000004	0.002
Total Terpenes	2.6277	26.277		