



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

Certificate of Analysis

Client Name: Bern Living Organics
License Number: CLTV0089

Sample ID: VT7338
Sample Name: Sour Diesel (202-2)
Sample Lot: 110423SH
Sample Matrix: Flower
Date Received: 2/7/2024
Date Reported: 2/15/2024
Date Tested: 2/9/2024



Total Cannabinoids		
	%	mg/g
Total THC:	26.872	268.724
Total CBD:	--	--
Total Cannabinoids:	31.169	311.687

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: #21632

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	< LOQ	< LOQ	< LOQ	< LOQ	0.0009	0.0040
CBGA	0.6516	6.516	0.5795	5.795	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	0.8855	8.855	0.7875	7.875	0.0016	0.0049
D10 THC	ND	ND	ND	ND	0.0004	0.0040
THCA	29.6316	296.316	26.3514	263.514	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: #21633

Analyte	Result (%)	Limit	Pass/Fail
Moisture	11.07	13.00	
Water Activity	0.54	0.65	PASS

Callie Chapman
 Lab Director
 2/15/2024

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Certificate of Analysis

Client Name: Bern Living Organics
License Number: CLTV0089

Sample ID: VT7347
Sample Name: Sour Diesel (202-2)
Sample Lot: 110423SH
Sample Matrix: Flower
Date Received: 2/7/2024
Date Reported: 2/15/2024
Date Tested: 2/12/2024



Total Terpenes (%) : 2.7889

Dominant Terpenes (%)	
Myrcene	1.2143
beta-caryophyllene	0.561
Limonene	0.4603
alpha-Humulene	0.2162
alpha-Bisabolol	0.0749

Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-OA) | Test ID: #21665

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
3-Carene	ND	ND	0.000002	0.002
alpha-Bisabolol	0.0749	0.749	0.000003	0.002
alpha-Humulene	0.2162	2.162	0.000002	0.002
alpha-Pinene	0.0282	0.282	0.000001	0.002
alpha-Terpinene	ND	ND	0.000001	0.002
alpha-Terpinolene	ND	ND	0.000004	0.002
beta-caryophyllene	0.561	5.61	0.000004	0.002
beta-Pinene	0.0682	0.682	0.000002	0.002
Camphene	< LOQ	< LOQ	0.000001	0.002
Caryophyllene Oxide	0.0366	0.366	0.000011	0.002
Eucalyptol	ND	ND	0.000002	0.002
gamma-Terpinene	ND	ND	0.000002	0.002
Geraniol	0.0458	0.458	0.000008	0.002
Guaiol	0.0179	0.179	0.000007	0.002
Isopulegol	ND	ND	0.000005	0.002
Isopropyl Toluene	ND	ND	0.000003	0.002
Limonene	0.4603	4.603	0.000002	0.002
Linalool	ND	ND	0.000003	0.002
Nerolidol	0.0655	0.655	0.000007	0.002
Myrcene	1.2143	12.143	0.000003	0.002
Ocimene	< LOQ	< LOQ	0.000002	0.002
Total Terpenes	2.7889	27.889		

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 2/15/2024

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Certificate of Analysis

Client Name: Bern Living Organics
License Number: CLTV0089

Sample ID: VT7007
Sample Name: Sour Diesel
Sample Lot: 110423SH
Sample Matrix: Flower
Date Received: 1/25/2024
Date Reported: 1/31/2024
Date Tested: 1/29/2024



Pathogens PASS

Microbiological screening utilizing qPCR (SOP-204-OA) | Test ID: #20557

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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 Lab Director
 1/31/2024

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Certificate of Analysis

Client Name: Bern Living Organics
License Number: CLTV0089

Sample ID: VT7001
Sample Name: ST,VTDD,PK,YC,SD
Sample Lot: 110423SH
Sample Matrix: Flower
Date Received: 1/25/2024
Date Reported: 1/31/2024
Date Tested: 1/30/2024



Pesticides Pass

Residual pesticide analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MSMS; SOP-070-OA) - **Limit units: ppm** | Test ID: #20551

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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