



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

Certificate of Analysis

Client Name: Old Growth Organics, DBA Old Growth Vermont
License Number: CLTV0058

Sample ID: VT8242
Sample Name: Hash Infused Lemon Kush
Sample Lot: MANU0010-153-001
Sample Matrix: Infused Flower
Date Received: 3/12/2024
Date Reported: 3/14/2024
Date Tested: 3/12/2024



Total Cannabinoids		
	%	mg/g
Total THC:	24.585	245.848
Total CBD:	--	--
Total Cannabinoids:	29.555	295.554

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: #24404

Analyte	% (Dry)	mg/g (Dry)	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	ND	ND	ND	ND	0.0003	0.0040
CBCA	0.9609	9.609	0.8701	8.701	0.0002	0.0040
CBD	ND	ND	ND	ND	0.0008	0.0040
CBDA	< LOQ	< LOQ	< LOQ	< LOQ	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	1.2009	12.009	1.0874	10.874	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	4.5576	45.576	4.1269	41.269	0.0016	0.0049
D10 THC	ND	ND	ND	ND	0.0004	0.0040
THCA	22.836	228.36	20.678	206.78	0.0002	0.0040
THCV	ND	ND	ND	ND	0.0016	0.0049
THCVA	ND	ND	ND	ND	0.0002	0.0040

Moisture & Water Activity PASS

Water Activity and Moisture Content Analysis (SOP-202-OA) | Test ID: #24412

Analyte	Result (%)	Limit	Pass/Fail
Moisture	9.45	13.00	
Water Activity	0.38	0.65	PASS

Callie Chapman
 Lab Director
 3/14/2024

In performing the services, Onward Analytics, ("OA") shall exercise a degree of skill and care ordinarily exercised by a reasonably prudent laboratory professional under similar circumstances. Except as set forth in the preceding sentence, client acknowledges and agrees that: (a) the services may require OA to make judgements based upon limited data rather than upon scientific certainties; (b) OA's approach, recommendations, and associated cost estimates, if any, are based on industry practices and averages; (c) OA renders its opinions with respect to observations made and data available at the time of testing; (d) ultimate outcomes could be inconsistent with OA's conclusions, results and projections; and (e) there may be additional reports relating to the site (whether prepared by OA or other parties), and reliance upon any OA report without reference to any such other reports is done at client's sole risk.





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License Number: CLTV0058

Sample ID: VT8242
Sample Name: Hash Infused Lemon Kush
Sample Lot: MANU0010-153-001
Sample Matrix: Infused Flower
Date Received: 3/12/2024
Date Reported: 3/14/2024
Date Tested: 3/12/2024



Total Terpenes (%) : 1.39

Dominant Terpenes (%)	
beta-caryophyllene	0.4687
Myrcene	0.1702
alpha-Humulene	0.1482
Limonene	0.1099
alpha-Bisabolol	0.1074

Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-OA) | Test ID: #24405

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
3-Carene	ND	ND	0.000002	0.002
alpha-Bisabolol	0.1074	1.074	0.000003	0.002
alpha-Humulene	0.1482	1.482	0.000002	0.002
alpha-Pinene	0.0859	0.859	0.000001	0.002
alpha-Terpinene	< LOQ	< LOQ	0.000001	0.002
alpha-Terpinolene	0.0198	0.198	0.000004	0.002
beta-caryophyllene	0.4687	4.687	0.000004	0.002
beta-Pinene	0.0604	0.604	0.000002	0.002
Camphene	0.0153	0.153	0.000001	0.002
Caryophyllene Oxide	0.051	0.51	0.000011	0.002
Eucalyptol	< LOQ	< LOQ	0.000002	0.002
gamma-Terpinene	ND	ND	0.000002	0.002
Geraniol	0.0446	0.446	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	0.1099	1.099	0.000002	0.002
Linalool	0.0386	0.386	0.000003	0.002
Nerolidol	0.0341	0.341	0.000007	0.002
Myrcene	0.1702	1.702	0.000003	0.002
Ocimene	0.0359	0.359	0.000002	0.002
Total Terpenes	1.39	13.9		

Callie Chapman
 Lab Director
 3/14/2024

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Certificate of Analysis

Client Name: Old Growth Organics, DBA Old Growth Vermont
License Number: CLTV0058

Sample ID: VT8651
Sample Name: Lemon Kush Hash
Sample Lot: MANU00010-153-001
Sample Matrix: Mechanical Extraction Concentrates
Date Received: 3/28/2024
Date Reported: 4/2/2024
Date Tested: 3/29/2024



Pathogens PASS

Microbiological screening utilizing qPCR (SOP-204-OA) | Test ID: #25616

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

Callie Chapman
 Lab Director
 4/2/2024

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Certificate of Analysis

Company: Old Growth Vermont

Sample ID: Lemon Kush

Lot: HLCLTV0058-6

Matrix: Flower

Date Sampled: N/A

Date Received: 10/27/2023

Report Date: 11/13/2023

Date Analyzed: 11/8/2023

Analyst: 049

Report ID: C231027BK

Customer ID: 221024-2

Grower License #: CLTV0058

Water Activity Summary

Test	Method	Result
Water Activity	ASTM D8196: Determination of Water Activity in Cannabis Flower	0.5521



Test Methodology: Aqualab TDL 2 water activity meter with tunable diode laser

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Certified by:

Luke Emerson Mason (Laboratory Director, Bia Diagnostics)

Certificate of Analysis

Company: Old Growth Vermont	Sample ID: Pesticides Composite	Report Date: 11/10/2023
	Lot: HL-CLTV0058-6	Date Analyzed: 11/8/2023
	Matrix: Flower	Analyst: 045
Customer ID: 221024-2	Date Sampled: N/A	Report ID: C231027BM
Grower License #: CLTV0058	Date Received: 10/27/2023	

Pesticides/Mycotoxins Summary

Category II Residual Pesticide	LOQ (ppm)	Concentration (ppm)
Abamectin	0.0100	<LOQ
Acephate	0.0010	<LOQ
Acequinocyl	0.0010	<LOQ
Azoxystrobin	0.0010	<LOQ
Bifenazate	0.0010	<LOQ
Bifenthrin	0.0010	<LOQ
Carbaryl	0.0010	<LOQ
Cypermethrin	0.0100	<LOQ
Etoxazole	0.0010	<LOQ
Imidacloprid	0.0010	<LOQ
Myclobutanil	0.0010	<LOQ
Pyrethrin I	0.0010	<LOQ
Pyrethrin II	0.0010	<LOQ
Spinosyn A	0.0010	<LOQ
Spinosyn D	0.0010	<LOQ

Category II Mycotoxin	LOQ (ppm)	Concentration (ppm)
Ochratoxin A	0.0020	NOT TESTED
Aflatoxin B1	0.0002	NOT TESTED
Alfatoxin B2	0.0010	NOT TESTED
Alfatoxin G1	0.0002	NOT TESTED
Alfatoxin G2	0.0010	NOT TESTED

Category I Residual Pesticide	LOQ (ppm)	Concentration (ppm)
Chlorpyrifos	0.0010	<LOQ
Imazalil	0.0010	<LOQ

N/A
Percent Moisture



LOQ = The lowest quantity this method can reliably detect. Any pesticide or mycotoxins that was not detected is assumed to be less than the stated LOQ (<LOQ).

All results reflect dry weight of material, based on % moisture of the sample.

ppb = parts per billion

Pesticides/Mycotoxin Methodology: Liquid Chromatography with Tandem Mass Spectrometry using PerkinElme QSight® LX50 UHPLC and QSight 220 Mass Spectrometer

All moisture analysis is determined by loss-on-drying measurement using OHAUS Model MB90 Moisture Content Readers.

Certified by: _____



Luke Emerson Mason (Laboratory Director, Bia Diagnostics)

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Certificate of Analysis

Company: Old Growth Vermont

Sample ID: Lemon Kush

Report Date: 11/16/2023

Lot: HLCLTV0058-6

Date Analyzed: 11/16/2023

Matrix: Flower

Customer ID: 221024-2

Date Sampled: N/A

Analyst: 018

Grower License #: CLTV0058

Date Received: 10/27/2023

Report ID: C231027BK

Pathogen Summary

Target Pathogens	Method	LOD (cfu/g)	Result (cfu/g)
Aspergillus - flavus, fumigatus, niger, terreus	Aspergillus AOAC PTM No. 032104	5	<LOD
STEC	STEC Virx AOAC PTM No. 121203	5	<LOD
Salmonella spp.	Salmonella II AOAC PTM No. 010803	5	<LOD



Test Methodology: Bio-Rad IQ-Check PCR Kits

cfu/g = colony forming units per gram

LOD = The lowest quantity that this method can reliably detect. Any microbial growth that was not detected is assumed to be less than the stated LOD (<LOD).

Reagent Blanks: <LOD for all analytes

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Certified by: *Luke E. M.*
 Luke Emerson Mason (Laboratory Director, Bia Diagnostics)