



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: VT8243
Sample Name: Hash Infused Tangy Runtz
Sample Lot: MANU0010-153-004
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:	27.938	279.383
Total CBD:	--	--
Total Cannabinoids:	36.442	364.417

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: #24406

Analyte	% (Dry)	mg/g (Dry)	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	ND	ND	ND	ND	0.0003	0.0040
CBCA	0.6077	6.077	0.547	5.47	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	4.3352	43.352	3.9021	39.021	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	2.5519	25.519	2.2969	22.969	0.0016	0.0049
D10 THC	ND	ND	ND	ND	0.0004	0.0040
THCA	28.9469	289.469	26.0551	260.551	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: #24413

Analyte	Result (%)	Limit	Pass/Fail
Moisture	9.99	13.00	
Water Activity	0.41	0.65	PASS

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: VT8243
Sample Name: Hash Infused Tangy Runtz
Sample Lot: MANU0010-153-004
Sample Matrix: Infused Flower
Date Received: 3/12/2024
Date Reported: 3/14/2024
Date Tested: 3/12/2024



Total Terpenes (%) : 2.2192

Dominant Terpenes (%)	
beta-caryophyllene	0.6452
Myrcene	0.2903
alpha-Terpinolene	0.2659
Limonene	0.2548
alpha-Humulene	0.225

Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-OA) | Test ID: #24407

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
3-Carene	0.018	0.18	0.000002	0.002
alpha-Bisabolol	0.1664	1.664	0.000003	0.002
alpha-Humulene	0.225	2.25	0.000002	0.002
alpha-Pinene	0.0374	0.374	0.000001	0.002
alpha-Terpinene	0.0112	0.112	0.000001	0.002
alpha-Terpinolene	0.2659	2.659	0.000004	0.002
beta-caryophyllene	0.6452	6.452	0.000004	0.002
beta-Pinene	0.0691	0.691	0.000002	0.002
Camphene	0.0154	0.154	0.000001	0.002
Caryophyllene Oxide	0.0478	0.478	0.000011	0.002
Eucalyptol	ND	ND	0.000002	0.002
gamma-Terpinene	< LOQ	< LOQ	0.000002	0.002
Geraniol	0.0444	0.444	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	0.2548	2.548	0.000002	0.002
Linalool	0.0584	0.584	0.000003	0.002
Nerolidol	0.0426	0.426	0.000007	0.002
Myrcene	0.2903	2.903	0.000003	0.002
Ocimene	0.0273	0.273	0.000002	0.002
Total Terpenes	2.2192	22.192		

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: VT8649
Sample Name: Tangy Runtz Hash
Sample Lot: MANU0010-153-003
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: #25614

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: Tangy Runtz

Lot: HL-CLTV0058-6

Matrix: Flower

Report Date: 10/12/2023

Date Analyzed: 10/12/2023

Customer ID: 221024-2

Date Sampled: N/A

Analyst: 049

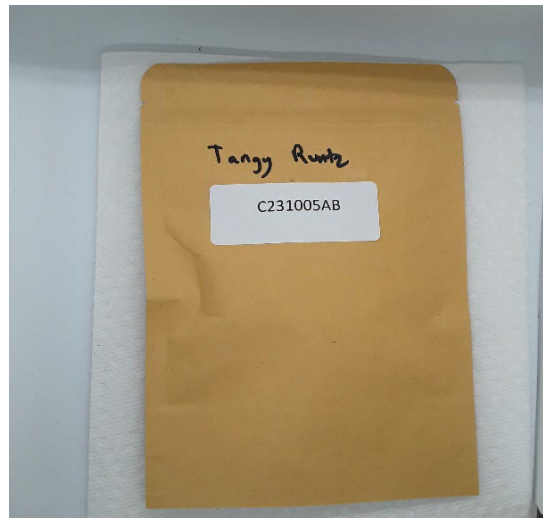
Grower License #: CLTV0058

Date Received: 10/5/2023

Report ID: C231005AB

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)

Certificate of Analysis

Company: Old Growth Vermont

Sample ID: Harvest Lot

Report Date: 10/13/2023

Lot: HL-CLTV0058-6

Date Analyzed: 10/11/2023

Matrix: Flower

Customer ID: 221024-2

Date Sampled: N/A

Analyst: 045

Grower License #: CLTV0058

Date Received: 10/5/2023

Report ID: C231005AC

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

14.58%
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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