

Office: 802-540-0148 | Fax: 802-540-0147 480 HERCULES DR. COLCHESTER, VT 05446

# Certificate of Analysis

Company: Smoke Ranch Redemption

1223 PO Box

Brattleboro, VT 05301

Customer ID: 221020-5

Grower License #: SCLT0131-02

Sample ID: Jelly Breath

Lot: SCLT0131-0001

Matrix: Flower

Date Sampled: N/A

**Date Received:** 10/20/2022

Report Date: 11/7/2022

Date Analyzed: 11/4/2022

Analyst: 050

Report ID: C221020BJ

## Cannabinoid Summary

Cannabinoid Profile	LOQ (mg/g)	Concentration (mg/g)	Weight (%)	
CBDVA	0.0005	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>	
CBDV	0.0012	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>	
CBDA	0.0008	0.94	0.09	
CBGA	0.0008	10.75	1.08	
CBG	0.0019	1.26	0.13	
CBD	0.0019	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>	
THCV	0.0021	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>	
CBN	0.0013	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>	
∆9-ТНС	0.0020	2.07	0.21	
Δ8-THC	0.0019	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>	
THC-A	0.0034	317.92	31.79	
CBC	0.0024	0.65	0.06	
Total THC		280.88	28.09	
Total CBD		0.82	0.08	
Total Cannabinoids		333.58	33.36	

28.09% 0.08%

Total THC Total CBD

33.36% Total Cannabinoids

0.21% Δ9-THC

11.24%
Percent
Moisture

1:0
THC:CBD
Ratio

Cannabinoids Methodology: High Performance Liquid Chromatography (HPLC) using PerkinElmer FLEXAR™ with Photo Diode Array Detector (PDA)

Total CBD and total THC are calculated values, to account for assumed decarboxylation from the acid form (THCA or CBDA) to the neutral form, causing weight loss of the acid group. These values are calculated as follows:

Total THC = (THCA x 0.877) +  $\Delta$ 9-THC Ratio of Total CBD: Total THC Total CBD = (CBDA x 0.877) + CBD Reagent Blanks: < LOQs for all analytes

LOQ = The lowest quantity that this method can reliably detect. Any cannabinoid 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.

Measurement of Uncertainty (MU): the parameter, associated with the result of a measurement, that characterizes the dispersion of the values that could reasonably be attributed to the particular quantity subject to measurement.  $\Delta 9\text{-THC MU} = \pm 0.005\%$  Total THC MU =  $\pm 0.007\%$ 

All other cannabinoid MU values are available upon request.

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

This report shall not be reproduced except in full without approval of the laboratory. This is to provide assurance that parts of a report are not taken out of context. Results apply to the samples as received.



Certified by:

Luke Emerson Mason (Laboratory Director, Bia Diagnostics)



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## Certificate of Analysis

Company: Smoke Ranch Redemption

1223 PO Box

Brattleboro, VT 05301

Customer ID: 221020-5

Grower License #: SCLT0131-02

Sample ID: Pesticide-Microbial-Harvest Lot

Lot: SCLT0131-0001

Matrix: Flower

Date Sampled: N/A

Date Received: 10.20.22

Report Date: 11/7/2022

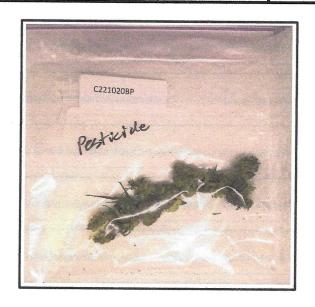
Date Analyzed: 11/4/2022

Analyst: JF

Report ID: C221020BP

#### Pathogen Summary

Target Pathogens	Method	LOD (cfu/g)	Result (cfu/g)
Aspergillus - flavus, fumigatus, niger, terreus	Aspergillus AOAC PTM No. 032104	5	<lod< td=""></lod<>
STEC	STEC Virx AOAC PTM No. 121203	5	<lod< td=""></lod<>
Salmonella spp.	Salmonella II AOAC PTM No. 010803	5	<lod< td=""></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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### Certificate of Analysis

Company: Smoke Ranch Redemption

1223 PO Box

Brattleboro, VT 05301

Customer ID: 221020-5
Grower License #: SCLT0131-02

Sample ID: Pesticide-Microbial-Harvest Lot

Lot: SCLT0131-0001

Report Date: 11/9/2022 Date Analyzed: 11/3/2022

Matrix: Flower

Date Sampled: N/A Analyst: 45

**Date Received:** 10/20/2022

Report ID: C221020BP

#### Pesticides/Mycotoxins Summary

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

11.17%

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 &: M

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(802) 540-0148 laboratory@biadiagnostics.com