



Certificate of Analysis

Company: Smoke Ranch Redemption

1223 PO Box

Brattleboro, VT 05301

Customer ID: 221020-5

Grower License #: SCLT0131-02

Sample ID: King of the North

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	<LOQ
CBDV	0.0012	<LOQ	<LOQ
CBDA	0.0008	1.05	0.10
CBGA	0.0008	31.95	3.19
CBG	0.0019	1.17	0.12
CBD	0.0019	<LOQ	<LOQ
THCV	0.0021	<LOQ	<LOQ
CBN	0.0013	<LOQ	<LOQ
Δ9-THC	0.0020	2.89	0.29
Δ8-THC	0.0019	<LOQ	<LOQ
THC-A	0.0034	313.67	31.37
CBC	0.0024	1.04	0.10
Total THC		277.98	27.80
Total CBD		0.92	0.09
Total Cannabinoids		351.78	35.18

27.8%

Total THC

0.09%

Total CBD

35.18%

Total
Cannabinoids

0.29%

Δ9-THC

11.40%

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) + Δ9-THC Total CBD = (CBDA x 0.877) + CBD
Ratio of Total CBD: Total THC 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).

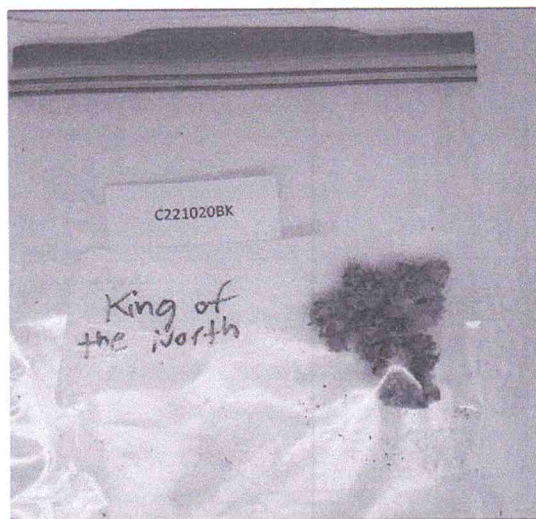
All results reflect dry weight of material, based on % moisture of the sample.

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.

Δ9-THC MU = ±0.005% Total THC MU = ±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.



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Certified by:

Luke E. M.

Luke Emerson Mason (Laboratory Director, Bia Diagnostics)



Certificate of Analysis

Company: Smoke Ranch Redemption

1223 PO Box

Brattleboro, VT 05301

Customer ID: 221020-5

Grower License #: SCLT0131-02

Sample ID: Layer Cake

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: C221020BM

Cannabinoid Summary

Cannabinoid Profile	LOQ (mg/g)	Concentration (mg/g)	Weight (%)
CBDVA	0.0005	<LOQ	<LOQ
CBDV	0.0012	<LOQ	<LOQ
CBDA	0.0008	0.99	0.10
CBGA	0.0008	14.30	1.43
CBG	0.0019	0.68	0.07
CBD	0.0019	<LOQ	<LOQ
THCV	0.0021	<LOQ	<LOQ
CBN	0.0013	<LOQ	<LOQ
Δ9-THC	0.0020	15.67	1.57
Δ8-THC	0.0019	<LOQ	<LOQ
THC-A	0.0034	248.03	24.80
CBC	0.0024	0.59	0.06
Total THC		233.19	23.32
Total CBD		0.86	0.09
Total Cannabinoids		280.26	28.03

23.32%

Total THC

0.09%

Total CBD

28.03%

**Total
Cannabinoids**

1.57%

Δ9-THC

10.52%

**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) + Δ9-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.

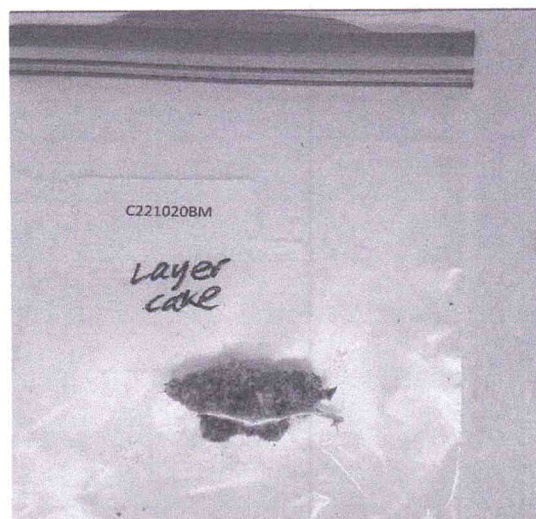
Measurement of Uncertainty (MU): the parameter, associated with the result of a measurement, that characterizes the dispersion of the values that could reasonably be attributed to the particular quantity subject to measurement.

Δ9-THC MU = ±0.005%

Total THC MU = ±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.



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Luke Emerson Mason (Laboratory Director, Bia Diagnostics)

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: 10/20/2022	Report Date: 11/9/2022 Date Analyzed: 11/3/2022 Analyst: 45 Report ID: C221020BP
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Pesticides/Mycotoxins Summary

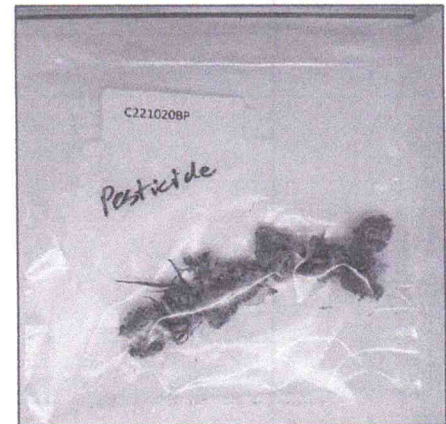
Category II Residual Pesticide	LOQ (ppm)	Concentration (ppm)
Abamectin	0.0100	<LOQ
Acephate	0.0010	<LOQ
Acequinocyl	0.0010	<LOQ
Azoxystrobin	0.0010	<LOQ
Bifenazate	0.0010	<LOQ
Bifenthrin	0.0010	<LOQ
Carbaryl	0.0010	<LOQ
Cypermethrin	0.0100	<LOQ
Etoxazole	0.0010	<LOQ
Imidacloprid	0.0010	<LOQ
Myclobutanil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

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.

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(802) 540-0148 laboratory@biadiagnostics.com



Certificate of Analysis

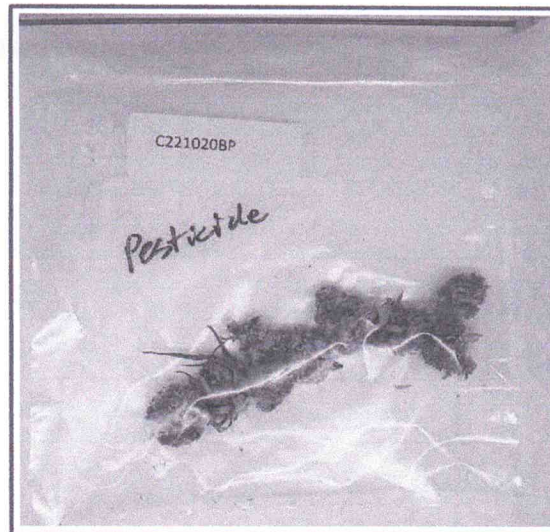
Company: Smoke Ranch Redemption
1223 PO Box
Brattleboro, VT 05301
Customer ID: 221020-5
Grower License #: SCLT0131-02

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
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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