

Certificate of Analysis Company: Grass Roots Vermont Sample ID: ASxCheesil 84 Lovers LN Lot: FAL-GRVT204517 **Report Date: 5/24/2023** Brandon, VT 05733 Matrix: Flower Date Analyzed: 5/23/2023 Customer ID: 230207-0 Date Sampled: N/A Analyst: 011 Grower License #: RD3083365 Date Received: 5/17/2023 Report ID: C230517AU **Cannabinoid Summary** Cannabinoid Concentration LOQ (mg/g) Weight (%) 0.07% 23.23% Profile (mg/g)**Total THC** Total CBD

CBDVA	0.0005	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
CBDV	0.0012	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
CBDA	0.0008	0.82	0.08
CBGA	0.0008	15.43	1.54
CBG	0.0019	1.79	0.18
CBD	0.0019	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
THCV	0.0021	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
CBN	0.0013	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
∆9-тнс	0.0020	7.06	0.71
∆8-THC	0.0019	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
THC-A	0.0034	256.86	25.69
CBC	0.0024	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
Total THC		232.33	23.23
Total CBD		0.72	0.07
Total Cannah	inoids	281 96	28.20

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) + Δ 9-THC 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.

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

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 o provide assurance that parts of a report are not taken out of context. Results apply to the *Certified by*: samples as received. 28.2%0.71%Total
CannabinoidsΔ9-THC9.31%1:0Percent
MoistureTHC : CBD
Ratio



Luke E.M.

Luke Emerson Mason (Laboratory Director, Bia Diagnostics)

(802) 540-0148 laboratory@bladiagnostics.com Certificate Registration Number: CL_50_2021_002



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

Certificate of Analysis

Company: Grass Roots Vermont 84 Lovers LN Brandon, VT 05733 Customer ID: 230207-0 Grower License #: RD3083365 Sample ID: ASxCheesil Lot: FAL-GRVT204517 Matrix: Flower Date Sampled: N/A Date Received: 5/17/2023

Pathogen Summary

Report Date: 5/30/2023 Date Analyzed: 5/26/2023 Analyst: 011 Report ID: C230517AU

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

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.

Luke E.M.

Luke Emerson Mason (Laboratory Director, Bia Diagnostics)

(802) 540-0148 laboratory@biadiagnostics.com

Certified by:



Certificate of Analysis

Company: Grass Roots Vermont 84 Lovers LN Brandon, VT 05733 Customer ID: 230207-0

Grower License #: RD3083365

Sample ID: ASxCheesil Lot: FAL-GRVT204517 Matrix: Flower Date Sampled: N/A Date Received: 5/17/2023

Report Date: 5/30/2023 Date Analyzed: 5/25/2023 Analyst: 045 Report ID: C230517AU

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< th=""></loq<>
Imazalil	0.0010	<loq< th=""></loq<>



	9.31%	
	<u></u>	
Perc	ent Mois	sture

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.

Tuke E.M.

Luke Emerson Mason (Laboratory Director, Bia Diagnostics)

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.

Certified by:

Results apply to the samples as received.

(802) 540-0148 laboratory@biadiagnostics.com