



### Confidence of Augilysis

Company: Grass Roots Vermont.

84 Lovers LN

0 1 107 0570

Brandon, VT 05733

Grower License #: INTG0003

Customer ID: 230207-0

Sample ID: MAC

Lot: INTG0003-MAC-FCF

Matrix: Flower

Date Sampled: N/A

Date Received: 1/25/2024

Report Date: 1/31/2024

Date Analyzed: 1/30/2024

Analyst: 057

Report ID: C240125AE

#### Centralbinoid Summary

Cannabinoid Profile	LOQ (mg/g)	Concentration (mg/g)	Weight (%)
CBDVA	0.0005	<l0q< th=""><th><loq< th=""></loq<></th></l0q<>	<loq< th=""></loq<>
CBDV	0.0012	<loq.< td=""><td><loq.< td=""></loq.<></td></loq.<>	<loq.< td=""></loq.<>
CBDA	0.0008	1.30	0.13
CBGA	0.0008	9.90	0.99
CBG	0.0019	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
CBD	0.0019	<loq< th=""><th>&lt;10Q</th></loq<>	<10Q
THCV	0.0021	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
CBN	0.0013	<l0q< th=""><th><loq< th=""></loq<></th></l0q<>	<loq< th=""></loq<>
Δ9-ТНС	0.0020	4.15	0.41
Δ8-ТНС	0.0019	<l0q< th=""><th><loq< th=""></loq<></th></l0q<>	<loq< th=""></loq<>
THC-A	0.0034	278.46	27.85
CBC	0:0024	<£0Q	<loq< th=""></loq<>
Total THC		248.36	24.84
Total CBD		1.14	0.11
Total Cannabinoids		293.81	29.38

Cannabinoids Methodology; Ĥigh 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.  $\Delta 9\text{-THC MU} = \pm 0.005\%$  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:

ais 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 *Certified by:* samples as received.

24.84%

**Total THC** 

0.11%

**Total CBD** 

29.38%

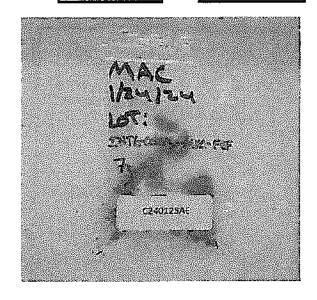
Total Cannabinoids 0.41%

Δ9-ΤΗС

9.92%

Percent Moisture 1:0

THC : CBD Ratio



Luke K.M

Luke Emerson Mason (Laboratory Director, Bia Diagnostics)

(802) 540-0148 | laboratory@biadiagnostics.com | Certificate Registration Number: CL\_50\_2021\_002



# Centificance of Amalysis

Company: Grass Roots Vermont

84 Lovers LN

Brandon, VT 05733

Customer ID: 230207-0
Grower License #: INTG0003

Sample ID: MAC

Lot: INTG0003-MAC-FCF

Matrix: Flower

Date Sampled: N/A

Date Received: 1/25/2024

Report Date: 1/31/2024

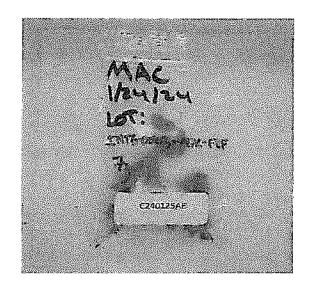
Date Analyzed: 1/26/2024

Analyst: 052

Report ID: C240125AE

### Water Activity Summery

Test	Method	Result
Water Activity	ASTM D8196: Determination of Water Activity in Cannabis Flower	0.3652



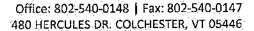
Test Methodology: Aqualab TDL 2 water activity meter with tunable diode laser

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):

(802) 540-0148 laboratory@biadiagnostics.com





# Confiberce of Amplysis

Company: Grass Roots Vermont

Grass Robes vermon

84 Lovers LN

Brandon, VT 05733

Customer ID: 230207-0 Grower License #: INTG0003 Sample ID: MAC

Lot: INTG0003-MAC-FCF

Matrix: Flower

Date Sampled: N/A

Date Received: 1/25/2024

Report Date: 1/31/2024

Date Analyzed: 1/26/2024 Analyst: 045

Report ID: C240125AE

#### Tempones Summary

Terpene	LOQ (mg/g)	Results (mg/g)	Weight (%)
α- Pinene	0.010	4.338	0.434
Camphene	0.010	0.458	0.046
β-Myrcene	0.010	3.024	0.302
b-Pinene	0.010	3,259	0.326
3-Carene	0.010	0.018	0.002
α-Terpinene	0.010	0.037	0:004
Limonene	0.010	7.303	0.730
ρ-Cymene	0.010	<loq td=""  <=""><td><l0q< td=""></l0q<></td></loq>	<l0q< td=""></l0q<>
Ocimene	0.010	5.039	0.504
Eucalyptol	0.010	0.034	0.003
Y-Terpinene	0.010	0.049	0.005
Terpinolene	0.010	0.257	0.026
Linalool	0.010	4.051	0.405
Isopulegol	0.010	<loq .<="" td=""><td><loq< td=""></loq<></td></loq>	<loq< td=""></loq<>
Geraniol	0.010	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Caryophyllene	0.010	3.472	0.347
α-Humulene	0.010	1.501	0.150
Trans-Nerolidol	0,010	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Cis-Nerolidol	0.010	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Guaiol	0.010	<loq< td=""><td><loq.< td=""></loq.<></td></loq<>	<loq.< td=""></loq.<>
Caryophyllene Oxide	0.010	0.013	0.001
α-Bisabolol	0.010	0:072	0:007
Total Terpenes		32.925	3.292

9.92%

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

Terpene Methodology: Headspace Sampler, Gas Chromatography-Mass Spectrometry (GC-MS), using Perkin Elmer Clarus® SQ8 GC MS

Reagent Blanks: < LOQs for all analytes

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

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

CZ4DI25AE

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 K. I'C

Luke Emerson Mason (Laboratory Director, Bia Diagnostics)



### Conditionte of Analysis

Company: Grass Roots Vermont

Sample ID: MAC

84 Lovers LN

Lot: INTG0003-MAC-FCF

Report Date: 1/30/2024

Brandon, VT 05733

Matrix: Flower

Date Analyzed: 1/29/2024

Customer ID: 230207-0

Date Sampled: N/A

Analyst: 045

Grower License #: INTG0003

**Date Received: 1/25/2024** 

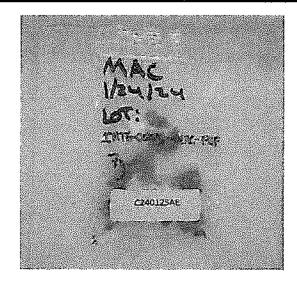
Report ID: C240125AE

#### Pesitioides/Mycoroxins Summery

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<>
lmazalil	0.0010	<loq< th=""></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 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.

Results apply to the samples as received.

(802) 540-0148 laboratory@biadiagnostics.com



## Centificance of Amalysis

Company: Grass Roots Vermont

84 Lovers LN

Brandon, VT 05733

Customer ID: 230207-0
Grower License #: INTG0003

Sample ID: MAC

Lot: INTG0003-MAC-FCF

Matrix: Flower

Date Sampled: N/A

Date Received: 1/25/2024

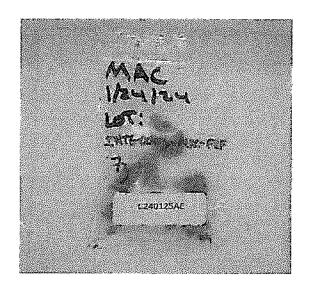
Report Date: 2/1/2024

Date Analyzed: 2/1/2024 Analyst: 018

Report ID: C240125AE

#### Parthogen 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 <sup>-</sup>	<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

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 K-M

Luke Emerson Mason (Laboratory Director, Bia Diagnostics)

(802) 540-0148. aboratory@biadiagnostics.com