

Certificate of Analysis

Client Name: Kria Commons License Number: MANU-0005

Sample ID: VT12176

Sample Name: Trainwreck Vape Blend Sample Lot: MANU0005-24-FCF-T1-V2 Sample Matrix: Solvent Extraction Concentrates

Date Received: 8/7/2024 **Date Reported: 8/13/2024 Date Tested: 8/9/2024**



Total Cannabinoids					
% mg/g					
Total THC:	74.791	747.910			
Total CBD:					
Total Cannabinoids:	78.498	784.976			

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-024-0A) | Test ID: #37022

Analyte	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	ND	ND	0.0003	0.0040
CBCA	ND	ND	0.0002	0.0040
CBD	ND	ND	0.0008	0.0040
CBDA	ND	ND	0.0002	0.0040
CBDV	ND	ND	0.0008	0.0040
CBDVA	ND	ND	0.0001	0.0040
CBG	3.7066	37.066	0.0009	0.0040
CBGA	ND	ND	0.0001	0.0040
CBN	< LOQ	< LOQ	0.0004	0.0040
CBNA	ND	ND	0.0002	0.0040
D8 THC	ND	ND	0.0012	0.0040
D9 THC	74.791	747.91	0.0016	0.0049
D10 THC	ND	ND	0.0004	0.0040
THCA	< LOQ	< LOQ	0.0002	0.0040
THCV	< LOQ	< LOQ	0.0016	0.0049
THCVA	ND	ND	0.0002	0.0040

Callie Chapman Lab Director 8/13/2024

Initial Release

In performing the services, Onward Analytics, ("OA") shall exercise a degree of skill and care ordinarily exercised by a reasonably prudent laboratory professional under similar circumstances. Except as set forth in the preceding sentence, client acknowledges and agrees that: (a) the services may require OA to make judgements based upon limited data rather than upon scientific certainties; (b) OA's approach, recommendations, and associated cost estimates, if any, are based on industry practices and averages; (c) OA renders its opinions with respect to observations made and data available at the time of testing; (d) ultimate outcomes could be inconsistent with OA's conclusions, results and projections; and (e) there may be additional reports relating to the site (whether prepared by OA or other parties), and reliance upon any OA report without reference to any such other reports is done at client's sole risk.





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Sample Matrix: Solvent Extraction Concentrates

Date Received: 8/7/2024

Date Reported: 8/13/2024

Date Tested: 8/9/2024



Total Terpenes (%): 3.9022

Dominant Terpenes (%)			
alpha-Terpinolene	1.7574		
beta-caryophyllene	0.4218		
Limonene	0.4192		
Myrcene	0.4049		
Ocimene	0.2871		

Terpenes

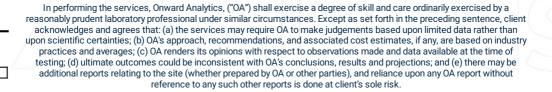
Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-0A) | Test | D: #37023

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
3-Carene	0.0743	0.743	0.000002	0.001
alpha-Bisabolol	0.0498	0.498	0.00003	0.001
alpha-Humulene	0.1402	1.402	0.000002	0.001
alpha-Pinene	0.0782	0.782	0.000001	0.001
alpha-Terpinene	0.0352	0.352	0.000001	0.001
alpha-Terpinolene	1.7574	17.574	0.000004	0.001
beta-caryophyllene	0.4218	4.218	0.000004	0.001
beta-Pinene	0.1444	1.444	0.000002	0.001
Camphene	0.0098	0.098	0.000001	0.001
Caryophyllene Oxide	0.024	0.24	0.000011	0.001
Eucalyptol	< LOQ	< LOQ	0.000002	0.001
gamma-Terpinene	0.0245	0.245	0.000002	0.001
Geraniol	ND	ND	0.000008	0.003
Guaiol	ND	ND	0.000007	0.001
Isopulegol	ND	ND	0.000005	0.001
Isopropyl Toluene	ND	ND	0.000003	0.001
Limonene	0.4192	4.192	0.000002	0.001
Linalool	ND	ND	0.000003	0.001
Nerolidol	0.0314	0.314	0.000007	0.001
Myrcene	0.4049	4.049	0.000003	0.001
Ocimene	0.2871	2.871	0.000002	0.001
Total Terpenes	3.9022	39.022		

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Callie Chapman Lab Director 8/13/2024

Rev. 1 Initial Release







Certificate of Analysis

Client Name: Kria Commons License Number: MANU-0005

Sample ID: VT8699

Sample Name: THC Distillate (FCF)

Sample Lot: MANU0005-24-T-FCF-THCMIX1-D1

Sample Matrix: Solvent Extraction Concentrates

Date Received: 3/28/2024

Date Reported: 4/3/2024

Date Tested: 4/1/2024



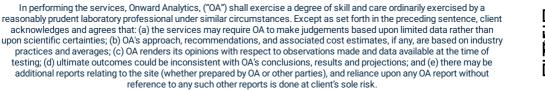
Heavy Metals

PASS

Heavy metals analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS; SOP-072-0A) - Limit units: ppm | Test ID: #25760

Analyte	Pass/Fail	Result (ppm)	Limit (ppm)	LOD (ppm)	LOQ (ppm)
Arsenic	PASS	< LOQ	1.500	0.0000260	0.00050
Cadmium	PASS	< LOQ	0.500	0.000004	0.00050
Lead	PASS	< LOQ	1.000	0.0000190	0.00050
Mercury	PASS	< LOQ	1.500	0.000039	0.00050









Certificate of Analysis

Client Name: Kria Commons License Number: MANU-0005

Sample ID: VT8699

Sample Name: THC Distillate (FCF)

Sample Lot: MANU0005-24-T-FCF-THCMIX1-D1

Sample Matrix: Solvent Extraction Concentrates

Date Received: 3/28/2024 Date Reported: 4/3/2024

Date Tested: 4/1/2024



Pesticides Pass

Residual pesticide analysis utilizing Liquid Chromatography - Mass Spectrometry (LC-MSMS; SOP-070-0A) - Limit units: ppm | Test |D:

Analyte	Pass/Fail	Result (ppm)	Limit	LOD (ppm)	LOQ (ppm)
Abamectin B1a	Pass	ND	0.10000	0.00156	0.01560
Abamectin B1b	Pass	ND	0.10000	0.00011	0.00110
Acephate	Pass	ND	0.10000	0.00168	0.01680
Acequinocyl	Pass	ND	0.10000	0.00167	0.01670
Azoxystrobin	Pass	ND	0.10000	0.00168	0.01680
Bifenazate	Pass	ND	0.10000	0.00167	0.01670
Bifenthrin	Pass	ND	3.00000	0.00167	0.01670
Carbaryl	Pass	ND	0.50000	0.00167	0.01670
Chlorpyrifos	Pass	ND	0.04000	0.00167	0.01670
Cypermethrin	Pass	ND	1.00000	0.00168	0.01680
Etoxazole	Pass	ND	0.10000	0.00168	0.01680
lmazalil	Pass	ND	0.04000	0.00167	0.01670
Imidacloprid	Pass	ND	5.00000	0.00166	0.01660
Myclobutanil	Pass	ND	0.10000	0.00167	0.01670
Spinosyn A	Pass	ND	0.10000	0.00120	0.01199
Spinosyn D	Pass	ND	0.10000	0.00042	0.00415
Pyrethrins	Pass	ND	0.50000	0.00022 0.00498 *	0.00072 0.00015 *

^{*} Pyrethrins action limit represents sum of isomers I & II







Certificate of Analysis

Client Name: Kria Commons License Number: MANU-0005

Sample ID: VT8699

Sample Name: THC Distillate (FCF)

Sample Lot: MANU0005-24-T-FCF-THCMIX1-D1

Sample Matrix: Solvent Extraction Concentrates

Date Received: 3/28/2024 Date Reported: 4/3/2024

Date Tested: 4/1/2024



Residual Solvents

Pass

Residual solvents and processing chemicals analysis utilizing Headspace Gas Chromatography - Mass Spectrometry (HS-GC-MS; SOP-010-OA) - Limit units: µg/g | Test ID: #25758

Analyte	Pass/Fail	Result (ppm)	Limit	LOD (ppm)	LOQ (ppm)
Acetone	Pass	< LOQ	5000.000	4.730	14.200
Acetonitrile	Pass	< LOQ	410.000	0.480	1.450
Benzene	Pass	< LOQ	2.000	0.020	0.060
Chloroform	Pass	< LOQ	60.000	0.070	0.210
Ethanol	Pass	< LOQ	5000.000	6.010	18.040
Heptanes (total)	Pass	< LOQ	5000.000	5.950	17.840
Hexanes (total)	Pass	< LOQ	0	0.350	1.040
Isopropyl Alcohol	Pass	< LOQ	5000.000	5.910	17.730
Methanol	Pass	< LOQ	3000.000	3.540	10.610
Methylene Chloride	Pass	< LOQ	600.000	6.400	19.190
Toluene	Pass	< LOQ	890.000	1.050	3.160
Xylenes (total)	Pass	< LOQ	2170.000	19.426 14.858 *	58.868 45.024 *
Additional Solvent Analytes					
Propane	Pass	< LOQ	5000.000	5.420	16.260
2-Methylpropane	Pass	< LOQ	5000.000	5.420	16.270
2,2-Dimethylbutane	Pass	< LOQ	5000.000	0.340	1.020
2,3-Dimethylbutane	Pass	< LOQ	5000.000	0.340	1.030
n-Butane	Pass	< LOQ	0	5.390	16.160
2-Methylpentane	Pass	< LOQ	5000.000	0.340	1.030
3-Methylpentane	Pass	< LOQ	5000.000	0.680	2.050
Isopentane	Pass	< LOQ	5000.000	5.890	17.670
n-Pentane	Pass	< LOQ	5000.000	5.900	17.700
Neopentane	Pass	< LOQ	5000.000	11.870	35.620

^{*} Xylenes action limit represents sum of m,p-Xylene and o-Xylene







Certificate of Analysis

Client Name: Kria Commons License Number: MANU-0005

Sample ID: VT6035

Sample Name: TRAINWRECK CO2 TERPS (FCF) Sample Lot: MANU0005-23-T-FCF-T1-T1-2 Sample Matrix: Solvent Extraction Concentrates Date Received: 12/19/2023

Date Reported: 1/2/2024 Date Tested: 12/21/2023



Heavy Metals

PASS

Heavy metals analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS; SOP-072-0A) - Limit units: ppm | Test ID: #17400

Analyte	Pass/Fail	Result (ppm)	Limit (ppm)	LOD (ppm)	LOQ (ppm)
Arsenic	PASS	< LOQ	1.500	0.0000260	0.00050
Cadmium	PASS	< LOQ	0.500	0.000004	0.00050
Lead	PASS	< LOQ	1.000	0.0000190	0.00050
Mercury	PASS	< LOQ	1.500	0.000039	0.00050







Certificate of Analysis

Client Name: Kria Commons License Number: MANU-0005

Sample ID: VT6035

Sample Name: TRAINWRECK CO2 TERPS (FCF) Sample Lot: MANU0005-23-T-FCF-T1-T1-2 Sample Matrix: Solvent Extraction Concentrates Date Received: 12/19/2023

Date Reported: 1/2/2024 Date Tested: 12/20/2023



Pesticides Pass

Residual pesticide analysis utilizing Liquid Chromatography - Mass Spectrometry (LC-MSMS; SOP-070-0A) - Limit units: ppm | Test |D:

Analyte	Pass/Fail	Result (ppm)	Limit	LOD (ppm)	LOQ (ppm)
Abamectin B1a	Pass	ND	0.10000	0.00156	0.01560
Abamectin B1b	Pass	ND	0.10000	0.00011	0.00110
Acephate	Pass	ND	0.10000	0.00168	0.01680
Acequinocyl	Pass	ND	0.10000	0.00167	0.01670
Azoxystrobin	Pass	ND	0.10000	0.00168	0.01680
Bifenazate	Pass	ND	0.10000	0.00167	0.01670
Bifenthrin	Pass	ND	3.00000	0.00167	0.01670
Carbaryl	Pass	ND	0.50000	0.00167	0.01670
Chlorpyrifos	Pass	ND	0.04000	0.00167	0.01670
Cypermethrin	Pass	ND	1.00000	0.00168	0.01680
Etoxazole	Pass	ND	0.10000	0.00168	0.01680
lmazalil	Pass	ND	0.04000	0.00167	0.01670
Imidacloprid	Pass	ND	5.00000	0.00166	0.01660
Myclobutanil	Pass	ND	0.10000	0.00167	0.01670
Spinosyn A	Pass	ND	0.10000	0.00120	0.01199
Spinosyn D	Pass	ND	0.10000	0.00042	0.00415
Pyrethrins	Pass	ND	0.50000	0.00022 0.00498 *	0.00072 0.00015 *

^{*} Pyrethrins action limit represents sum of isomers I & II







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Client Name: Kria Commons License Number: MANU-0005

Sample ID: VT6035

Date Tested: 12/29/2023

Sample Name: TRAINWRECK CO2 TERPS (FCF) Sample Lot: MANU0005-23-T-FCF-T1-T1-2 Sample Matrix: Solvent Extraction Concentrates Date Received: 12/19/2023 Date Reported: 1/2/2024



Total Cannabinoids					
% mg/g					
Total THC:	3.290	32.902			
Total CBD:	0.274	2.737			
Total Cannabinoids:	4.190	41.897			

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-024-0A) | Test ID: #17397

Analyte	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	0.0901	0.901	0.0003	0.0040
CBCA	0.1582	1.582	0.0002	0.0040
CBD	0.2737	2.737	0.0008	0.0040
CBDA	ND	ND	0.0002	0.0040
CBDV	ND	ND	0.0008	0.0040
CBDVA	ND	ND	0.0001	0.0040
CBG	0.0839	0.839	0.0009	0.0040
CBGA	0.0746	0.746	0.0001	0.0040
CBN	ND	ND	0.0004	0.0040
CBNA	ND	ND	0.0002	0.0040
D8 THC	ND	ND	0.0012	0.0040
D9 THC	1.7286	17.286	0.0016	0.0049
D10 THC	ND	ND	0.0004	0.0040
THCA	1.7806	17.806	0.0002	0.0040
THCV	ND	ND	0.0016	0.0049
THCVA	< LOQ	< LOQ	0.0002	0.0040







Certificate of Analysis

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Sample ID: VT6035

Sample Name: TRAINWRECK CO2 TERPS (FCF) Sample Lot: MANU0005-23-T-FCF-T1-T1-2 Sample Matrix: Solvent Extraction Concentrates Date Received: 12/19/2023 Date Reported: 1/2/2024



Residual Solvents

Date Tested: 12/21/2023

Pass

Residual solvents and processing chemicals analysis utilizing Headspace Gas Chromatography - Mass Spectrometry (HS-GC-MS; SOP-010-OA) - Limit units: µg/g | Test ID: #17398

Analyte	Pass/Fail	Result (ppm)	Limit	LOD (ppm)	LOQ (ppm)
Acetone	Pass	< LOQ	5000.000	4.730	14.200
Acetonitrile	Pass	< LOQ	410.000	0.480	1.450
Benzene	Pass	< LOQ	2.000	0.020	0.060
Chloroform	Pass	< LOQ	60.000	0.070	0.210
Ethanol	Pass	< LOQ	5000.000	6.010	18.040
Heptanes (total)	Pass	< LOQ	5000.000	5.950	17.840
Hexanes (total)	Pass	< LOQ	0	0.350	1.040
Isopropyl Alcohol	Pass	< LOQ	5000.000	5.910	17.730
Methanol	Pass	< LOQ	3000.000	3.540	10.610
Methylene Chloride	Pass	< LOQ	600.000	6.400	19.190
Toluene	Pass	< LOQ	890.000	1.050	3.160
Xylenes (total)	Pass	< LOQ	2170.000	19.426 14.858 *	58.868 45.024 *
Additional Solvent Analytes	;				
Propane	Pass	< LOQ	5000.000	5.420	16.260
2-Methylpropane	Pass	< LOQ	5000.000	5.420	16.270
2,2-Dimethylbutane	Pass	< LOQ	5000.000	0.340	1.020
2,3-Dimethylbutane	Pass	< LOQ	5000.000	0.340	1.030
n-Butane	Pass	< LOQ	0	5.390	16.160
2-Methylpentane	Pass	< LOQ	5000.000	0.340	1.030
3-Methylpentane	Pass	< LOQ	5000.000	0.680	2.050
Isopentane	Pass	< LOQ	5000.000	5.890	17.670
n-Pentane	Pass	< LOQ	5000.000	5.900	17.700
Neopentane	Pass	< LOQ	5000.000	11.870	35.620

^{*} Xylenes action limit represents sum of m,p-Xylene and o-Xylene



