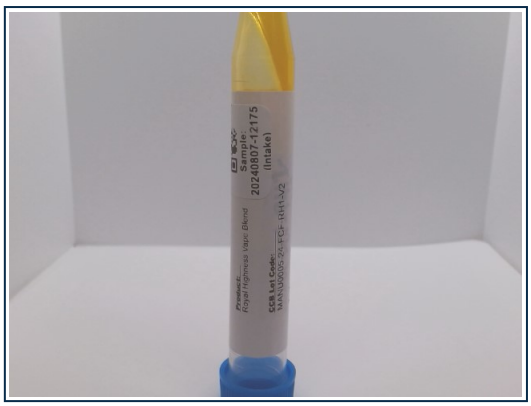
261 Mountain View Dr
Colchester, VT 05446
License #: TLAB0030
802-767-7256
info@onwardanalytics.biz

Certificate of Analysis

Client Name: Kria Commons
License Number: MANU-0005

Sample ID: VT12175
Sample Name: Royal Highness Vape Blend
Sample Lot: MANU0005-24-FCF-RH1-V2
Sample Matrix: Solvent Extraction Concentrates
Date Received: 8/7/2024
Date Reported: 8/13/2024
Date Tested: 8/9/2024



Total Terpenes (%) : 3.2354

Dominant Terpenes (%)	
Myrcene	**1.0129**
beta-caryophyllene	**0.8122**
Limonene	**0.5504**
alpha-Humulene	**0.2878**
alpha-Pinene	**0.2117**

Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-OA) | Test ID: #37021

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
3-Carene	0.0082	0.082	0.000002	0.001
alpha-Bisabolol	0.0415	0.415	0.000003	0.001
alpha-Humulene	0.2878	2.878	0.000002	0.001
alpha-Pinene	0.2117	2.117	0.000001	0.001
alpha-Terpinene	ND	ND	0.000001	0.001
alpha-Terpinolene	0.0442	0.442	0.000004	0.001
beta-caryophyllene	0.8122	8.122	0.000004	0.001
beta-Pinene	0.1146	1.146	0.000002	0.001
Camphene	0.0147	0.147	0.000001	0.001
Caryophyllene Oxide	0.024	0.24	0.000011	0.001
Eucalyptol	< LOQ	< LOQ	0.000002	0.001
gamma-Terpinene	ND	ND	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	0.5504	5.504	0.000002	0.001
Linalool	0.033	0.33	0.000003	0.001
Nerolidol	ND	ND	0.000007	0.001
Myrcene	1.0129	10.129	0.000003	0.001
Ocimene	0.0802	0.802	0.000002	0.001
Total Terpenes	**3.2354**	**32.354**		

Callie Chapman
Lab Director
8/13/2024

Rev. 1	Initial Release

261 Mountain View Dr
Colchester, VT 05446
License #: TLAB0030
802-767-7256
info@onwardanalytics.biz

Certificate of Analysis

Client Name: Kria Commons
License Number: MANU-0005

Sample ID: VT12756
Sample Name: Full Circle Farms Royal Highness Vape Blend
Sample Lot: MANU0005-24-FCF-RH1-V2
Sample Matrix: Solvent Extraction Concentrates
Date Received: 8/28/2024
Date Reported: 9/4/2024
Date Tested: 9/3/2024

Total Cannabinoids

	%	mg/g
Total THC:	**76.609**	**766.090**
Total CBD:	**--**	**--**
Total Cannabinoids:	**80.236**	**802.363**

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-OA) | Test ID: #38972

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	3.6273	36.273	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	76.609	766.09	0.0016	0.0049
D10 THC	ND	ND	0.0004	0.0040
THCA	ND	ND	0.0002	0.0040
THCV	< LOQ	< LOQ	0.0016	0.0049
THCVA	ND	ND	0.0002	0.0040

Callie Chapman
Lab Director
9/4/2024

Rev. 1	Initial Release

261 Mountain View Dr
Colchester, VT 05446
License #: TLAB0030
802-767-7256
info@onwardanalytics.biz

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-OA) **- 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	0.0000004	0.00050
Lead	PASS	< LOQ	1.000	0.0000190	0.00050
Mercury	PASS	< LOQ	1.500	0.0000039	0.00050

Callie Chapman
Lab Director
4/3/2024

261 Mountain View Dr
Colchester, VT 05446
License #: TLAB0030
802-767-7256
info@onwardanalytics.biz

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-OA) **- Limit units: ppm** | Test ID: #25759

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
Imazalil	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

Callie Chapman
Lab Director
4/3/2024

261 Mountain View Dr
Colchester, VT 05446
License #: TLAB0030
802-767-7256
info@onwardanalytics.biz

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

Callie Chapman
Lab Director
4/3/2024

261 Mountain View Dr
Colchester, VT 05446
License #: TLAB0030
802-767-7256
info@onwardanalytics.biz

Certificate of Analysis

Client Name: Kria Commons
License Number: MANU-0005

Sample ID: VT6092
Sample Name: Royal Highness Co2 Terps
Sample Lot: MANU0005-23-T-FCF-RH1-T1-2
Sample Matrix: Solvent Extraction Concentrates
Date Received: 12/20/2023
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-OA) **- Limit units: ppm** | Test ID: #17582

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	0.0000004	0.00050
Lead	PASS	< LOQ	1.000	0.0000190	0.00050
Mercury	PASS	< LOQ	1.500	0.0000039	0.00050

Callie Chapman
Lab Director
1/2/2024

261 Mountain View Dr
Colchester, VT 05446
License #: TLAB0030
802-767-7256
info@onwardanalytics.biz

Certificate of Analysis

Client Name: Kria Commons
License Number: MANU-0005

Sample ID: VT6092
Sample Name: Royal Highness Co2 Terps
Sample Lot: MANU0005-23-T-FCF-RH1-T1-2
Sample Matrix: Solvent Extraction Concentrates
Date Received: 12/20/2023
Date Reported: 1/2/2024
Date Tested: 12/29/2023

Pesticides — Pass

Residual pesticide analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MSMS; SOP-070-OA) **- Limit units: ppm** | Test ID: #17581

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
Imazalil	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

Callie Chapman
Lab Director
1/2/2024

261 Mountain View Dr
Colchester, VT 05446
License #: TLAB0030
802-767-7256
info@onwardanalytics.biz

Certificate of Analysis

Client Name: Kria Commons
License Number: MANU-0005

Sample ID: VT6092
Sample Name: Royal Highness Co2 Terps
Sample Lot: MANU0005-23-T-FCF-RH1-T1-2
Sample Matrix: Solvent Extraction Concentrates
Date Received: 12/20/2023
Date Reported: 1/2/2024
Date Tested: 12/29/2023

Total Cannabinoids

	%	mg/g
Total THC:	**3.074**	**30.739**
Total CBD:	**0.195**	**1.952**
Total Cannabinoids:	**3.718**	**37.182**

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-OA) | Test ID: #17579

Analyte	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	< LOQ	< LOQ	0.0003	0.0040
CBCA	0.0967	0.967	0.0002	0.0040
CBD	0.1952	1.952	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	0.141	1.41	0.0009	0.0040
CBGA	< LOQ	< LOQ	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	1.5662	15.662	0.0016	0.0049
D10 THC	ND	ND	0.0004	0.0040
THCA	1.7191	17.191	0.0002	0.0040
THCV	ND	ND	0.0016	0.0049
THCVA	ND	ND	0.0002	0.0040

Callie Chapman
Lab Director
1/2/2024

261 Mountain View Dr
Colchester, VT 05446
License #: TLAB0030
802-767-7256
info@onwardanalytics.biz

Certificate of Analysis

Client Name: Kria Commons
License Number: MANU-0005

Sample ID: VT6092
Sample Name: Royal Highness Co2 Terps
Sample Lot: MANU0005-23-T-FCF-RH1-T1-2
Sample Matrix: Solvent Extraction Concentrates
Date Received: 12/20/2023
Date Reported: 1/2/2024
Date Tested: 1/2/2024

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: #17580

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

Callie Chapman
Lab Director
1/2/2024