

## 2-MIX-00059-VP-FF

Company Name: Camberwell      Sample Received: 12/08/2020  
Company Lot Number: #1505      Release Date: 12/18/2020  
Sample Matrix: Distillate      APRC Lot Number: CAM201208A



Total THC  
0.25 %

Total CBD  
49.62 %

Cannabinoids  
50.39 %

Pesticides  
Tested

Microbial  
Tested

Residual  
Solvents  
Tested

Heavy Metals  
Tested

Terpene  
Analysis  
Tested

Prepared By: Cierra Gunn

Reviewed By: Noah Yarro

## Quantitative Terpene Analysis Report

### Certificate of Analysis

2-MIX-00059-VP-FF

Company Name: Camberwell      Sample Received: 12-08-2020  
Company Lot Number: #1505      APRC Lot Number: CAM201208A  
Sample Matrix: Distillate      Release Date: 12-15-2020

Compound	Total % (w/w)	Total (mg/g)	Compound	Total % (w/w)	Total (mg/g)
$\alpha$ -Pinene	ND	ND	Terpinolene	ND	ND
Camphene	ND	ND	Linolool	<LOQ	<LOQ
$\beta$ -Pinene	<LOQ	<LOQ	Isopulegol	ND	ND
$\beta$ -Myrcene	2.74	27.39	Geraniol	ND	ND
$\Delta$ -3-Carene	<LOQ	<LOQ	$\beta$ -Caryophyllene	0.12	1.15
$\alpha$ -Terpinene	<LOQ	<LOQ	$\alpha$ -Humulene	<LOQ	<LOQ
p-Cymene	<LOQ	<LOQ	cis-Nerolidol	ND	ND
Limonene	4.72	47.20	trans-Nerolidol	ND	ND
$\alpha$ -Ocimene	ND	ND	Caryophyllene oxide	ND	ND
Eucalyptol	ND	ND	Guaiol	ND	ND
$\beta$ -Ocimene	ND	ND	$\alpha$ -Bisabolol	ND	ND
$\gamma$ -Terpinene	ND	ND	<b>Total Terpenes</b>	<b>7.57</b>	<b>75.74</b>

Prepared By: N. Yarro

Reviewed By: C. Gunn

## Residual Solvents Analysis Report

### Certificate of Analysis

2-MIX-00059-VP-FF

Company Name: Camberwell      Sample Received: 12-08-2020  
 Company Lot Number: #1505      APRC Lot Number: CAM201208A  
 Sample Matrix: Distillate      Release Date: 12-15-2020

Analyte	Limit (µg/g) <sup>†</sup>	Concentration (µg/g)	Disposition
1,2 Dimethoxyethane	100	ND	Pass
1,4 Dioxane	380	ND	Pass
1-Butanol	5000	ND	Pass
1-Pentanol	5000	ND	Pass
1-Propanol	5000	ND	Pass
2-Butanol	5000	ND	Pass
2-Butanone	5000	ND	Pass
2-Ethoxyethanol	160	ND	Pass
2-methylbutane	5000	ND	Pass
2-Propanol (Isopropyl Alcohol)	5000	ND	Pass
Acetone	5000	ND	Pass
Acetonitrile	410	ND	Pass
Benzene	2	ND	Pass
Butane	5000	ND	Pass
Cumene	70	ND	Pass
Cyclohexane	3880	ND	Pass
Dichloromethane (Methylene Chloride)	600	ND	Pass
2,2-dimethylbutane	290	ND	Pass
2,3-dimethylbutane	290	ND	Pass
1,2-dimethylbenzene ( <i>o</i> -Xylene)	See Xylenes	ND	Pass
1,3-dimethylbenzene ( <i>m</i> -Xylene)	See Xylenes	ND	Pass
1,4-dimethylbenzene ( <i>p</i> -Xylene)	See Xylenes	ND	Pass
Dimethyl Sulfoxide (DMSO)	5000	ND	Pass
Ethanol	5000	ND	Pass

Analyte	Limit (µg/g) <sup>†</sup>	Concentration (µg/g)	Disposition
Ethyl Acetate	5000	ND	Pass
Ethylbenzene	See Xylenes	ND	Pass
Ethyl ether	5000	ND	Pass
Ethylene glycol	620	ND	Pass
Ethylene Oxide	50	ND	Pass
Heptane	5000	ND	Pass
Hexane	290	ND	Pass
Isopropyl acetate	5000	ND	Pass
Methanol	3000	ND	Pass
Methylpropane	5000	ND	Pass
2-Methylpentane	290	ND	Pass
3-Methylpentane	290	ND	Pass
N,N-dimethylacetamide	1090	ND	Pass
N,N-dimethylformamide	880	ND	Pass
Pentane	5000	ND	Pass
Propane	5000	ND	Pass
Pyridine	100	ND	Pass
Sulfolane	160	ND	Pass
Tetrahydrofuran	720	ND	Pass
Toluene	890	ND	Pass
Xylenes <sup>‡</sup>	2170	ND	Pass

<sup>†</sup> Per Utah state code 4-41a-701(3) Section R68-29-6

<sup>‡</sup> Total Xylenes is a combination of the following: *o*-Xylene, *m*-Xylene, *p*-Xylene, and Ethylbenzene

Overall Disposition: Pass

Prepared By: N. Yarro

Reviewed By: C. Gunn

# HPLC Analysis Report

## Cannabinoid Profile Certificate of Analysis

Client: Camberwell Date Received: 12-08-2020  
 Sample Name: 2-MIX-00059-VP-FF Date Tested: 12-08-2020  
 Sample Matrix: Distillate APRC #: CAM201208A  
 Sample Lot: #1505

ID#	Cannabinoid	Ret. Time	Conc. (µg/mL)	% (w/w)	mg/g
1	Cannabidivarin (CBDV)	2.171	39.154	0.22	2.20
2	Cannabidiolic acid (CBDA)	ND	ND	N/A	N/A
3	Cannabigerolic acid (CBGA)	ND	ND	N/A	N/A
4	Cannabigerol (CBG)	3.009	8.501	0.05	0.48
5	Cannabidiol (CBD)	3.179	8826.750	49.62	496.16
6	Tetrahydrocannabivarin (THCV)	INT	INT	N/A	N/A
7	Cannabinol (CBN)	ND	ND	N/A	N/A
8	Δ9-Tetrahydrocannabinol (Δ9-THC)	5.863	43.916	0.25	2.47
9	Δ8-Tetrahydrocannabinol (Δ8-THC)	6.154	1.958	0.01	0.11
10	Cannabichromene (CBC)	7.345	44.165	0.25	2.48
11	Δ9-Tetrahydrocannabinolic acid (THCA-A)	<LOQ	<LOQ	N/A	N/A

		%	mg/g
Analyzed by:	C. Wiscombe	Total Cannabinoids	50.39
		Total THC <sup>†</sup>	0.25
Reviewed by:	C. Gunn	Total CBD <sup>‡</sup>	49.62
			496.16

<sup>†</sup> Total THC is calculated by Δ9-THC +(THCA-A\*0.877)

<sup>‡</sup> Total CBD is calculated by CBD + (CBDA\*0.877)

Notes: THCV could not be determined due to interfering substances.

## PCR-Microarray Analysis Report

### Microbial Certificate of Analysis

Client: Camberwell Date Received: 12-08-2020  
 Sample Name: 2-MIX-00059-VP-FF Date Tested: 12-14-2020  
 Sample Matrix: Distillate APRC #: CAM201208A  
 Sample Lot: #1505

Total Counts			
Group	Result	Specification <sup>†</sup>	Disposition
Total Aerobic Bacteria	< 100	< 10,000	Pass
Total Bile Tolerant Gram-Negative Bacteria	< 100	Report Only	Tested
Total Enterobacteria/Coliforms	< 100	Report Only	Tested
Total Yeast and Mold	<100	< 1,000	Pass

Specific Organism Identification			
Organism	Result	Specification <sup>†</sup>	Disposition
<i>Escherichia coli</i> – Non <i>shigella</i>	ND	ND	Pass
<i>Escherichia coli/Shigella spp.</i> <sup>‡</sup>	ND	ND	Pass
<i>Listeria monocytogenes</i>	ND	Report Only	Tested
<i>Salmonella</i> – Specific Gene	ND	ND	Pass
<i>Staphylococcus Aureus</i>	ND	ND	Pass
<i>Pseudomonas Aeruginosa</i>	ND	Report Only	Tested

<sup>†</sup> - Per Utah State R68-29-8 requirements

<sup>‡</sup> - Interpretation is based on presence of *Shigella* specific genes along with positive findings of STX1 and STX2 genes.

Analyzed by: C. Wiscombe

Notes:

Reviewed by: C. Gunn



**2-MIX-00059-VP-FF\_#1505\_CAM201208A\_12162020\_1346 PM\_007**

Sample ID: CAM201208A

Date acquired: 12/16/2020 5:51:57 PM

Acquired by: Admin

Data File: C:\LabSolutions\Data\2-MIX-00059-VP-FF\_#1505\_CAM201208A\_12162020\_1346 PM\_007.lcd

Vial: 23 | Inj. Volume: 1.0000uL | Tray: 1

Name	Conc.	Unit	Comment 1	Comment 2
Abamectin B1a	----	ppm	0.5 ppm limit	LOQ = 0.0005 ppm
Acephate	----	ppm	0.4 ppm limit	LOQ = 0.0005 ppm
Acequinocyl	----	ppm	2 ppm limit	LOQ = 0.0005 ppm
Acetamiprid	----	ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Aldicarb	----	ppm	0.4 ppm limit	LOQ = 0.0005 ppm
Azoxystrobin	----	ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Bifenazate	----	ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Bifenthrin	----	ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Boscalid	----	ppm	0.4 ppm limit	LOQ = 0.0005 ppm
Carbaryl	----	ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Carbofuran	----	ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Chlorantraniliprole	----	ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Chlorfenapyr	----	ppm	1 ppm limit	LOQ = 0.0005 ppm
Chlorpyrifos	----	ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Clofentezine	----	ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Cyfluthrin	----	ppm	1 ppm limit	LOQ = 0.005 ppm
Cypermethrin	----	ppm	1 ppm limit	LOQ = 0.0005 ppm
Daminozide	----	ppm	1 ppm limit	LOQ = 0.01 ppm
Diazinon	----	ppm	0.2 ppm limit	LOQ = 0.005 ppm
Dichlorvos (DDVP)	----	ppm	0.1 ppm limit	LOQ = 0.0025 ppm
Dimethoate	----	ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Ethoprophos	----	ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Etofenprox	----	ppm	0.4 ppm limit	LOQ = 0.0005 ppm
Etoxazole	----	ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Fenoxycarb	----	ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Fenpyroximate	----	ppm	0.4 ppm limit	LOQ = 0.0005 ppm
Fipronil	----	ppm	0.4 ppm limit	LOQ = 0.005 ppm
Flonicamid	----	ppm	1 ppm limit	LOQ = 0.0005 ppm
Fludioxonil	----	ppm	0.4 ppm limit	LOQ = 0.0005 ppm
Hexythiazox	----	ppm	1 ppm limit	LOQ = 0.0005 ppm
Imazalil	----	ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Imidacloprid	----	ppm	0.4 ppm limit	LOQ = 0.0005 ppm
Kresoxim-methyl	----	ppm	0.4 ppm limit	LOQ = 0.0005 ppm
Malathion	----	ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Metalaxyl	----	ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Methiocarb	----	ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Methomyl	----	ppm	0.4 ppm limit	LOQ = 0.0005 ppm
MGK 264 (Pyrodone)	----	ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Myclobutanil	----	ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Naled	----	ppm	0.5 ppm limit	LOQ = 0.0005 ppm
Oxamyl	----	ppm	1 ppm limit	LOQ = 0.0005 ppm
Pacllobutrazol	----	ppm	0.4 ppm limit	LOQ = 0.0005 ppm
Permethrins	----	ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Phosmet	----	ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Piperonyl butoxide	----	ppm	2 ppm limit	LOQ = 0.0005 ppm
Prallethrin	----	ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Propiconazole	----	ppm	0.4 ppm limit	LOQ = 0.0005 ppm
Propoxur	----	ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Pyrethrin I	----	ppm	0.5 ppm limit	LOQ = 0.0005 ppm
Pyrethrin II	----	ppm	0.5 ppm limit	LOQ = 0.0005 ppm
Pyridaben	----	ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Spinosad A	----	ppm	0.1 ppm limit	LOQ = 0.0005 ppm
Spinosad D	----	ppm	0.1 ppm limit	LOQ = 0.0005 ppm
Spiromesifen	----	ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Spirotetramat	----	ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Spiroxamine	----	ppm	0.4 ppm limit	LOQ = 0.0005 ppm
Tebuconazole	----	ppm	0.4 ppm limit	LOQ = 0.0005 ppm
Thiacloprid	----	ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Thiamethoxam	----	ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Trifloxystrobin	----	ppm	0.2 ppm limit	LOQ = 0.0005 ppm

 Comment:  
 Pass

## ICP-MS Analysis Report

### Heavy Metal Certificate of Analysis

Client: Camberwell Date Received: 12/08/2020  
Sample Name: 2-MIX-00059-VP-FF Date Released: 12/18/2020  
Sample Matrix: Distillate APRC #: CAM201208A  
Sample Lot: #1505

Analyte	Conc. (ppm)	Specification <sup>†</sup> (ppm)	Disposition
Arsenic	<0.001	< 2.00	Pass
Cadmium	0.055	< 0.82	Pass
Mercury	0.005	< 0.40	Pass
Lead	0.007	< 1.20	Pass

Prepared by: Cierra Gunn

<sup>†</sup> - Per Utah State Code 4-41a-701 (3) section R68-29-7

Reviewed by: Noah Yarro