



Certificate of Analysis





Sample: LA40916006-003
Batch/Lot/Production Run#: LTPR601SL
Laboratory License # 69204305475717257553
Retail Product Size: 30 gram
Retail Serving Size: 1 gram
Servings: 1
Ordered: 09/13/24
Sampled: 09/16/24
Completed: 09/20/24

Sep 20, 2024 | Pacific Roots LLC
License # CBD

PASSED

Pages 1 of 6

SAFETY RESULTS

 Pesticides PASSED	 Heavy Metals PASSED	 Microbials PASSED	 Mycotoxins PASSED	 Residuals Solvents PASSED	 Filtration PASSED	 Water Activity NOT TESTED	 Moisture NOT TESTED	 Homogeneity Testing NOT TESTED	 Terpenes TESTED
--	--	--	--	--	--	---	---	--	--

1 unit = 1 container CBD Lemonade Tincture, 28.5g

 **Cannabinoid** **PASSED**

 Total THC 0.2857% Total THC/Container : 85.7100 mg	 Total CBD 6.2784% Total CBD/Container : 1883.5200 mg	 Total Cannabinoids 6.8007% Total Cannabinoids/Container : 2040.2100 mg
---	--	--

	TOTAL CAN NABINOIDS	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	D9-THC	D8-THC	CBC	THCA
%	6.8007	0.0332	<LOQ	<LOQ	0.0480	6.2784	<LOQ	0.0478	0.2575	0.0282	0.1076	<LOQ
mg/g	68.007	0.332	<LOQ	<LOQ	0.480	62.784	<LOQ	0.478	2.575	0.282	1.076	<LOQ
LOQ	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
%	%	%	%	%	%	%	%	%	%	%	%	%

Analyzed by: 1525, 1878, 2008 Weight: 2.8752g Extraction date: 09/18/24 11:14:36 Extracted by: 1525

Analysis Method : SOP.T.30.031.NV; SOP.T.40.031.NV
Analytical Batch : LA006537POT Reviewed On : 09/19/24 21:54:51
Instrument Used : LV-SHIM-002 Batch Date : 09/16/24 18:00:12
Analyzed Date : N/A

Dilution : 400
Reagent : 120723.25; 080124.05; 060624.06; 082123.17; 082924.R05; 082724.R10
Consumables : 20220103; 258638; 1009097331; 265084
Pipette : LV-PIP-015; LV-PIP-008; LV-PIP-023

Cannabinoid analysis utilizing Ultra High Performance Liquid Chromatography with UV Detection (UHPLC-UV). Method SOP.T.30.031.NV for sample preparation and SOP.T.40.031.NV for analysis. Total THC = d8-THC + d9-THC + 0.877 * THCA, Total CBD = CBD + 0.877 * CBDA

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is an Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=In-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit Of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on NV regulations.

Kelly Zaugg
Lab Director

State License # L003
ISO 17025 Accreditation # ISO/IEC
17025:2017: 97164



Signature
09/20/24



Certificate of Analysis

PASSED

Pacific Roots LLC

Sample : LA40916006-003

Completed : 09/20/24 Expires: 09/20/25

License # : CBD

Batch# : LTPR601SL

Sampled : 09/16/24

Ordered : 09/16/24

Sample Method : SOP Client Method

Page 2 of 6

Terpenes				TESTED					
Terpenes	LOQ (%)	mg/g	%	Result (%)	Terpenes	LOQ (%)	mg/g	%	Result (%)
TOTAL TERPENES	0.0200	2.550	0.2550		ALPHA-HUMULENE	0.0200	<LOQ	<LOQ	
D-LIMONENE	0.0200	0.930	0.0930		ALPHA-PHELLANDRENE	0.0200	<LOQ	<LOQ	
ALPHA-BISABOLOL	0.0200	0.356	0.0356		ALPHA-PINENE	0.0200	<LOQ	<LOQ	
GUAIOL	0.0200	0.308	0.0308		ALPHA-TERPINENE	0.0200	<LOQ	<LOQ	
BETA-PINENE	0.0200	0.289	0.0289		ALPHA-TERPINEOL	0.0200	<LOQ	<LOQ	
BETA-MYRCENE	0.0200	0.231	0.0231		BETA-CARYOPHYLLENE	0.0200	<LOQ	<LOQ	
TERPINOLENE	0.0200	0.224	0.0224		DELTA-3-CARENE	0.0200	<LOQ	<LOQ	
GAMMA-TERPINENE	0.0200	0.212	0.0212						
BORNEOL	0.0200	<LOQ	<LOQ		Analyzed by: 889, 879, 2008 Weight: 0.9131g Extraction date: 09/19/24 17:45:11 Extracted by: 880,889,879				
CAMPHENE	0.0200	<LOQ	<LOQ		Analysis Method : SOP.T.30.061.NV; SOP.T.40.061.NV				
CAMPHOR	0.0200	<LOQ	<LOQ		Analytical Batch : LA006541TER Reviewed On : 09/19/24 18:01:51				
CARYOPHYLLENE OXIDE	0.0200	<LOQ	<LOQ		Instrument Used : LV-GCMS-003 Batch Date : 09/17/24 08:45:01				
CEDROL	0.0200	<LOQ	<LOQ		Analyzed Date : N/A				
EUCALYPTOL	0.0200	<LOQ	<LOQ		Dilution : 50				
FARNESENE	0.0200	<LOQ	<LOQ		Reagent : 090324.01; 091324.07; 091324.01				
FENCHOL	0.0200	<LOQ	<LOQ		Consumables : 042c6; 251697				
FENCHONE	0.0200	<LOQ	<LOQ		Pipette : LV-PIP-001; LV-PIP-010; LV-PIP-034; LV-BTD-021				
GERANIOL	0.0200	<LOQ	<LOQ		Terpene screening is performed using gas chromatography with mass spectrometry following SOP.T.30.061.NV and SOP.T.40.061.NV.				
GERANYL ACETATE	0.0200	<LOQ	<LOQ						
HEXAHYDROTHYMOL	0.0200	<LOQ	<LOQ						
ISOBORNEOL	0.0200	<LOQ	<LOQ						
ISOPULEGOL	0.0200	<LOQ	<LOQ						
LINALOOL	0.0200	<LOQ	<LOQ						
NEROL	0.0200	<LOQ	<LOQ						
NEROLIDOL	0.0200	<LOQ	<LOQ						
OCIMENE	0.0200	<LOQ	<LOQ						
PULEGONE	0.0200	<LOQ	<LOQ						
SABINENE	0.0200	<LOQ	<LOQ						
SABINENE HYDRATE	0.0200	<LOQ	<LOQ						
VALENCENE	0.0200	<LOQ	<LOQ						
ALPHA-CEDRENE	0.0200	<LOQ	<LOQ						
Total (%)			0.2550						

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is an Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=In-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit Of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on NV regulations.

Kelly Zaugg

Lab Director

State License # L003
ISO 17025 Accreditation # ISO/IEC
17025:2017: 97164

Signature
09/20/24



Certificate of Analysis

PASSED

Pacific Roots LLC

Sample : LA40916006-003

Completed : 09/20/24 Expires: 09/20/25
Sample Method : SOP Client Method

License # : CBD

Batch# : LTPR6015L
Sampled : 09/16/24
Ordered : 09/16/24

Page 3 of 6



Pesticides

PASSED

Pesticide	LOQ	Units	Action Level	Pass/Fail	Result	Pesticide	LOQ	Units	Action Level	Pass/Fail	Result
ABAMECTIN	0.05	ppm	0.0001	PASS	<LOQ	PENTACHLORONITROBENZENE (PCNB) *	0.05	ppm	0.8	PASS	<LOQ
ACEQUINOCYL	0.05	ppm	4	PASS	<LOQ	Analyzed by: 888, 879, 1878, 2008 Weight: NA Extraction date: N/A Extracted by: 888 Analysis Method : SOP.T.30.101.NV; SOP.T.40.101.NV Analytical Batch : LA006543PES Reviewed On : 09/19/24 01:52:56 Instrument Used : Shimadzu LCMS-8060 Batch Date : 09/17/24 12:28:43 Analyzed Date : 09/17/24 12:42:03 Dilution : 5 Reagent : 081624.R08; 081624.R07; 091224.R01; 082124.R15 Consumables : N/A Pipette : LV-PIP-019; LV-PIP-040; LV-PIP-041; LV-PIP-034; LV-PIP-020 Pesticide screening is performed using LC-MS (Liquid Chromatography with Mass Spectrometry Detection) for regulated pesticides following SOP.T.30.101.NV and SOP.T.40.101.NV.					
BIFENAZATE	0.05	ppm	0.4	PASS	<LOQ	Analyzed by: 879, 1878, 2008 Weight: NA Extraction date: N/A Extracted by: 888 Analysis Method : SOP.T.30.151.NV; SOP.T.40.151.NV Analytical Batch : LA006557VOL Reviewed On : 09/19/24 01:54:39 Instrument Used : N/A Batch Date : 09/18/24 15:58:12 Analyzed Date : N/A Dilution : 5 Reagent : 081624.R08; 081624.R07; 091224.R01; 082124.R15 Consumables : N/A Pipette : LV-PIP-019; LV-PIP-040; LV-PIP-041; LV-PIP-034; LV-PIP-020 Pesticide screening is performed using GC (Gas Chromatography with Mass Spectrometry Detection) for regulated pesticides following SOP.T.30.151.NV and SOP.T.40.151.NV.					
BIFENTHRIN	0.05	ppm	0.0001	PASS	<LOQ						
CYFLUTHRIN	0.05	ppm	2	PASS	<LOQ						
CYPERMETHRIN	0.05	ppm	0.0001	PASS	<LOQ						
DAMINOZIDE	0.05	ppm	0.0001	PASS	<LOQ						
DIMETHOMORPH	0.05	ppm	2	PASS	<LOQ						
ETOXAZOLE	0.05	ppm	0.4	PASS	<LOQ						
FENHEXAMID	0.05	ppm	1	PASS	<LOQ						
FENOXYCARB	0.05	ppm	0.0001	PASS	<LOQ						
FLONICAMID	0.05	ppm	1	PASS	<LOQ						
FLUDIOXONIL	0.05	ppm	0.5	PASS	<LOQ						
IMIDACLOPRID	0.05	ppm	0.5	PASS	<LOQ						
MYCLOBUTANIL	0.05	ppm	0.4	PASS	<LOQ						
PIPERONYL BUTOXIDE	0.05	ppm	3	PASS	<LOQ						
PACLOBUTRAZOL	0.05	ppm	0.0001	PASS	<LOQ						
PYRETHRINS	0.05	ppm	2	PASS	<LOQ						
SPINETORAM	0.05	ppm	1	PASS	<LOQ						
SPINOSAD	0.05	ppm	1	PASS	<LOQ						
SPIROTETRAMAT	0.05	ppm	1	PASS	<LOQ						
THIAMETHOXAM	0.05	ppm	0.4	PASS	<LOQ						
TRIFLOXYSTROBIN	0.05	ppm	1	PASS	<LOQ						

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is an Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=In-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit Of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on NV regulations.

Kelly Zaugg
Lab Director

State License # L003
ISO 17025 Accreditation # ISO/IEC
17025:2017: 97164

Signature
09/20/24



Certificate of Analysis

PASSED

Pacific Roots LLC

Sample : LA40916006-003

Completed : 09/20/24 Expires: 09/20/25

License # : CBD

Batch# : LTPR601SL

Sampled : 09/16/24

Ordered : 09/16/24

Sample Method : SOP Client Method

Page 4 of 6

Residual Solvents		PASSED			
Solvents	LOQ	Units	Action Level	Pass/Fail	Result
PROPANE	100.0000	ppm	499.5	PASS	<LOQ
BUTANES	100.0000	ppm	499.5	PASS	<LOQ
HEPTANE	100.0000	ppm	499.5	PASS	<LOQ
ETHANOL	100.0000	ppm		TESTED	<LOQ

Analyzed by: 880, 889, 879, 2008	Weight: 0.0228g	Extraction date: 09/17/24 16:55:38	Extracted by: 880
Analysis Method : SOP.T.40.041.NV		Reviewed On : 09/19/24 01:53:24	
Analytical Batch : LA006547SOL		Batch Date : 09/17/24 16:50:21	
Instrument Used : LV-GCMS-001			
Analyzed Date : 09/17/24 16:58:28			
Dilution : N/A			
Reagent : 062420.02; 082123.32; 053023.05			
Consumables : N/A			
Pipette : 25C, Hamilton Gastight syringe, 25uL; GT6, Hamilton Gastight Syringe, 10 ul			

Residual solvent screening is performed by Headspace Gas Chromatography with Mass spectrometry following SOP.T.40.041.NV.

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is an Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=In-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit Of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on NV regulations.

Kelly Zaugg

Lab Director

State License # L003
ISO 17025 Accreditation # ISO/IEC
17025:2017: 97164



Signature
09/20/24



Certificate of Analysis

PASSED

Pacific Roots LLC




Sample : LA40916006-003

Completed : 09/20/24 Expires: 09/20/25
Sample Method : SOP Client Method

License # : CBD

Batch# : LTPR601SL
Sampled : 09/16/24
Ordered : 09/16/24

Page 5 of 6

 Microbial PASSED						 Mycotoxins PASSED					
Analyte	LOQ	Units	Result	Pass / Fail	Action Level	Analyte	LOQ	Units	Result	Pass / Fail	Action Level
STEC			Not Present	PASS		TOTAL AFLATOXINS (B1, B2, G1, G2)	0.01	ppm	<LOQ	PASS	0.02
SALMONELLA			Not Present	PASS		OCHRATOXIN A	0.01	ppm	<LOQ	PASS	0.02
TOTAL AEROBIC COUNT	1000	cfu/g	<LOQ	PASS	99999	Analyzed by: 879, 1878, 2008		Weight: NA	Extraction date: N/A	Extracted by: 888	
ENTEROBACTERIACEAE	100	cfu/g	<LOQ	PASS	999	Analysis Method : SOP.T.30.101.NV; SOP.T.40.101.NV		Instrument Used : N/A		Reviewed On : 09/19/24 01:54:34	
Analyzed by: 888, 1878, 879, 2008 Weight: 1.0192g Extraction date: 09/18/24 17:50:26 Extracted by: 888 Analysis Method : SOP.T.40.058.FL; SOP.T.40.059B Reviewed On : 09/19/24 23:30:38 Analytical Batch : LA006533MIC Batch Date : 09/16/24 14:13:18 Instrument Used : LV-PCR-004 (Pathogen Dx MiniAmp Thermal Cycler) Analyzed Date : N/A Dilution : N/A Reagent : 011023.06 Consumables : 61869-236C6-236; WO4129; WO4068; WO3895; WO3882; 042c6; 251697; 258638 Pipette : LV-PIP-021; LV-PIP-046; LV-PIP-049; LV-PIP-050; LV-PIP-051; LV-PIP-060; LV-PIP-006						Analytical Batch : LA006558MYC Reviewed On : 09/19/24 01:54:34 Instrument Used : N/A Batch Date : 09/18/24 15:58:16 Analyzed Date : N/A Dilution : 5 Reagent : 081624.R08; 081624.R07; 091224.R01; 082124.R15 Consumables : N/A Pipette : LV-PIP-019; LV-PIP-040; LV-PIP-041; LV-PIP-034; LV-PIP-020 Total Aflatoxins B1, B2, G1, G2, and Ochratoxin A screening are performed by LC/MS/MS following SOP.T.30.101.NV and SOP.T.40.101.NV.					
 Heavy Metals PASSED											
Element	LOQ	Units	Result	Pass / Fail	Action Level						
ARSENIC	0.167	ppm	<LOQ	PASS	2						
CADMIUM	0.167	ppm	<LOQ	PASS	0.82						
LEAD	0.167	ppm	<LOQ	PASS	1.2						
MERCURY	0.167	ppm	<LOQ	PASS	0.4						
Analyzed by: 889, 879, 1878, 2008 Weight: 0.45g Extraction date: 09/19/24 20:19:35 Extracted by: 889,879 Analysis Method : SOP.T.30.081.NV; SOP.T.40.081.NV Analytical Batch : LA006548HEA Reviewed On : 09/19/24 20:31:13 Instrument Used : ICPMS-2 Shimadzu Batch Date : 09/17/24 17:10:22 Analyzed Date : 09/19/24 15:37:02 Dilution : 50 Reagent : 112322.09; 081123.02; 072224.06; 010120.01 Consumables : 1008897304; 1009097331 Pipette : LV-PIP-001; LV-PIP-041 Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometry) using method SOP.T.30.081.NV and SOP.T.40.081.NV.											

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is an Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=In-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit Of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on NV regulations.

Kelly Zaugg

Lab Director

State License # L003
ISO 17025 Accreditation # ISO/IEC
17025:2017: 97164

Signature
09/20/24



4439 Polaris Ave.
Las Vegas, NV, 89103, US
(833) 465-8378

Kaycha Labs

.....
CBD Lemonade Tincture
Matrix : Infused Product
Type: Tincture



Certificate of Analysis

PASSED

Pacific Roots LLC

Sample : LA40916006-003

Completed : 09/20/24 Expires: 09/20/25

License # : CBD

Batch# : LTPR601SL

Sampled : 09/16/24

Ordered : 09/16/24

Sample Method : SOP Client Method

Page 6 of 6

	Filth/Foreign Material	PASSED
--	-------------------------------	---------------

Analyte	LOQ	Units	Result	P/F	Action Level
Filth and Foreign Material		detect/g	<LOQ	PASS	0.001

Analyzed by:	Weight:	Extraction date:	Extracted by:
N/A	NA	N/A	N/A

Analysis Method : SOP.T.40.090.NV	Reviewed On : 09/19/24 01:52:49
Analytical Batch : N/A	Batch Date : N/A
Instrument Used : N/A	
Analyzed Date : N/A	

Dilution : N/A
Reagent : N/A
Consumables : N/A
Pipette : N/A

Samples are visually screened for foreign matter (hair, insects, packaging materials, etc.). For flower, stems >3 mm in diameter may only make up <5% of the sample.

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is an Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=In-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit Of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on NV regulations.

Kelly Zaugg

Lab Director

State License # L003
ISO 17025 Accreditation # ISO/IEC
17025:2017: 97164

Signature
09/20/24