1231 W. Warner Road, Suite 105
Tempe, AZ, 85284, US
(480) 220-4470

Kaycha Labs

Clementine Select B Distillate
Clementine
Matrix: Concentrate
Type: Distillate

Certificate of Analysis

Sample:TE31108003-004
Batch#: CAZ2306K-CLM-B
Source Facility : 3333 S Central Avenue
Batch Date: 11/08/23
Sample Size Received: 36.47 gram
Total Amount: 7 gram
Retail Product Size: 12 gram
Ordered: 11/08/23
Sampled: 11/08/23
Completed: 11/10/23

Nov 10, 2023 | Curaleaf_AZ
License # 00000053DCXB00858835
3333 S Central Ave
Phoenix, AZ, 85040, US

PASSED

PRODUCT IMAGE

SAFETY RESULTS

Pesticides	Heavy Metals	Microbials	Mycotoxins	Residuals Solvents	Filth	Water Activity	Moisture
PASSED	PASSED	PASSED	PASSED	PASSED	NOT TESTED	NOT TESTED	NOT TESTED

MISC.

Terpenes
NOT TESTED

Cannabinoid

PASSED

Total THC
86.9124%

Total CBD
0.3024%

Total Cannabinoids
92.3366%

	D9-THC	THCA	CBD	CBDA	CBG	CBGA	CBN	D8-THC	CBDV	THCV	CBC
%	86.9124	ND	0.3024	ND	2.5964	ND	1.6289	ND	ND	0.5498	0.3467
mg/g	869.124	ND	3.024	ND	25.964	ND	16.289	ND	ND	5.498	3.467
LOD	0.0020 %	0.0020 %	0.0020 %	0.0020 %	0.0020 %	0.0010 %	0.0010 %	0.0020 %	0.0020 %	0.0020 %	0.0010 %

Analyzed by: 121, 104
Weight: 0.1714g
Extraction date: 11/08/23 18:25:10
Extracted by: 93,121

Analysis Method : SOP.T.30.500, SOP.T.30.031, SOP.T.40.031
Analytical Batch : TE003132POT
Instrument Used : TE-005 "Lady Jessica" (Concentrates)
Analyzed Date : N/A
Reviewed On : 11/09/23 15:12:49
Batch Date : 11/08/23 16:53:56

Dilution : 800
Reagent : 091323.12; 110123.R07; 110123.R06; 100623.R10; 110223.R03
Consumables : 947.084; H109203-1; 00335006-5; 28521042; 210823-1124; 1008451138
Pipette : TE-059 SN:20A04528 (20-200uL); TE-065 SN:20B18327 (100-1000uL); TE-164 SN: 21H24198 (Isopropanol)

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with Photo Diode Array detector (HPLC-PDA) for analysis. (Methods: SOP.T.30.500 for sample homogenization, SOP.T.30.031 for sample prep, SOP.T.40.031 for analysis on Shimadzu LC-20X0 series HPLCs). Potency results for cannabis flower products are reported on an "as received" basis, without moisture correction.

Ariel Gonzales
Lab Director

State License #
00000024LCMD66604568
ISO 17025 Accreditation # 97164

Signature
11/10/23

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Clementine
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3333 S Central Ave
Phoenix, AZ, 85040, US
Telephone: (602) 842-0020
Email: christopher.paternoster@curaleaf.com
License # : 00000053DCXB00858835

Sample : TE31108003-004
Batch# : CAZ2306K-CLM-B
Sampled : 11/08/23
Ordered : 11/08/23

Sample Size Received : 36.47 gram
Total Amount : 7 gram
Completed : 11/10/23 **Expires:** 11/10/24
Sample Method : SOP Client Method

Pesticides

PASSED

Pesticide	LOD	Units	Action Level	Pass/Fail	Result
AVERMECTINS (ABAMECTIN B1A)	0.0170	ppm	0.5	PASS	ND
ACEPHATE	0.0100	ppm	0.4	PASS	ND
ACETAMIPRID	0.0050	ppm	0.2	PASS	ND
ALDICARB	0.0140	ppm	0.4	PASS	ND
AZOXYSTROBIN	0.0050	ppm	0.2	PASS	ND
BIFENAZATE	0.0060	ppm	0.2	PASS	ND
BIFENTHRIN	0.0050	ppm	0.2	PASS	ND
BOSCALID	0.0050	ppm	0.4	PASS	ND
CARBARYL	0.0080	ppm	0.2	PASS	ND
CARBOFURAN	0.0050	ppm	0.2	PASS	ND
CHLORANTRANILIPROLE	0.0110	ppm	0.2	PASS	ND
CHLORPYRIFOS	0.0050	ppm	0.2	PASS	ND
CLOFENTEZINE	0.0100	ppm	0.2	PASS	ND
CYPERMETHRIN	0.1000	ppm	1	PASS	ND
DIAZINON	0.0060	ppm	0.2	PASS	ND
DAMINOZIDE	0.0100	ppm	1	PASS	ND
DICHLORVOS (DDVP)	0.0010	ppm	0.1	PASS	ND
DIMETHOATE	0.0060	ppm	0.2	PASS	ND
ETHOPROPHOS	0.0040	ppm	0.2	PASS	ND
ETOFENPROX	0.0060	ppm	0.4	PASS	ND
ETOXAZOLE	0.0040	ppm	0.2	PASS	ND
FENOXYCARB	0.0050	ppm	0.2	PASS	ND
FENPYROXIMATE	0.0040	ppm	0.4	PASS	ND
FIPRONIL	0.0060	ppm	0.4	PASS	ND
FLONICAMID	0.0090	ppm	1	PASS	ND
FLUDIOXONIL	0.0060	ppm	0.4	PASS	ND
HEXYTHIAZOX	0.0050	ppm	1	PASS	ND
IMAZALIL	0.0110	ppm	0.2	PASS	ND
IMIDACLOPRID	0.0080	ppm	0.4	PASS	ND
KRESOXIM-METHYL	0.0070	ppm	0.4	PASS	ND
MALATHION	0.0070	ppm	0.2	PASS	ND
METALAXYL	0.0040	ppm	0.2	PASS	ND
METHIOCARB	0.0040	ppm	0.2	PASS	ND
METHOMYL	0.0050	ppm	0.4	PASS	ND
MYCLOBUTANIL	0.0100	ppm	0.2	PASS	ND
NALED	0.0070	ppm	0.5	PASS	ND
OXAMYL	0.0080	ppm	1	PASS	ND
PACLOBUTRAZOL	0.0050	ppm	0.4	PASS	ND
TOTAL PERMETHRINS	0.0030	ppm	0.2	PASS	ND
PHOSMET	0.0100	ppm	0.2	PASS	ND
PIPERONYL BUTOXIDE	0.0050	ppm	2	PASS	ND
PRALLETHRIN	0.0130	ppm	0.2	PASS	ND
PROPICONAZOLE	0.0050	ppm	0.4	PASS	ND
PROPOXUR	0.0050	ppm	0.2	PASS	ND
TOTAL PYRETHRINS	0.0010	ppm	1	PASS	ND
PYRIDABEN	0.0040	ppm	0.2	PASS	ND

Pesticide	LOD	Units	Action Level	Pass/Fail	Result
TOTAL SPINOSAD	0.0060	ppm	0.2	PASS	ND
SPIROMESIFEN	0.0080	ppm	0.2	PASS	ND
SPIROTETRAMAT	0.0060	ppm	0.2	PASS	ND
SPIROXAMINE	0.0040	ppm	0.4	PASS	ND
TEBUCONAZOLE	0.0040	ppm	0.4	PASS	ND
THIACLOPRID	0.0060	ppm	0.2	PASS	ND
THIAMETHOXAM	0.0060	ppm	0.2	PASS	ND
TRIFLOXYSTROBIN	0.0060	ppm	0.2	PASS	ND
CHLORFENAPYR *	0.0270	ppm	1	PASS	ND
CYFLUTHRIN *	0.0150	ppm	1	PASS	ND

Analyzed by: 152, 39, 104 | **Weight:** 0.4969g | **Extraction date:** 11/09/23 10:47:50 | **Extracted by:** 312

Analysis Method : SOP.T.30.500, SOP.T.30.104.AZ, SOP.T.40.104.AZ
Analytical Batch : TE003133PES
Instrument Used : TE-118 "MS/MS Pest/Myco 1",TE-261 "UHPLC - Pest/Myco 2"
Analyzed Date : 11/09/23 13:36:48
Reviewed On : 11/10/23 07:50:20
Batch Date : 11/09/23 09:17:26
Dilution : 25
Reagent : 110723.R07; 110623.R02; 110823.R01; 101123.R02; 110623.R01; 041823.06
Consumables : 947.084; 00334958-5; 00332484-2; 1008439554; 28521042; 210823-1124; 090623; 210725-598-D; GD220011; 323080IY
Pipette : TE-056 SN:21D58687; TE-060 SN:20C35457 (20-200uL); TE-108 SN:20B18337 (100-1000uL)

Pesticide screening is carried out using LC-MS/MS supplemented by GC-MS/MS for volatile pesticides. (Methods: SOP.T.30.500 for sample homogenization, SOP.T.30.104.AZ for sample prep, and SOP.T.40.104.AZ for analysis on ThermoScientific Altis TSQ with Vanquish UHPLC).

Analyzed by: 152, 39, 104, 272 | **Weight:** 0.4969g | **Extraction date:** 11/09/23 10:47:50 | **Extracted by:** 312

Analysis Method : SOP.T.30.500, SOP.T.30.104.AZ, SOP.T.40.154.AZ
Analytical Batch : TE003135VOL
Instrument Used : TE-091 "GC - Volatile Pesticides 1",TE-094 "MS/MS - Volatile Pesticides 1"
Analyzed Date : 11/09/23 13:25:13
Reviewed On : 11/10/23 08:05:13
Batch Date : 11/09/23 11:38:19
Dilution : 25
Reagent : 110723.R07; 111921.03; 030623.03
Consumables : 947.084; 00334958-5; 00332484-2; 1008439554; 28521042; 210823-1124; 090623; 210725-598-D; GD220011; 323080IY
Pipette : TE-056 SN:21D58687; TE-060 SN:20C35457 (20-200uL); TE-108 SN:20B18337 (100-1000uL)

Supplemental pesticide screening using GC-MS/MS to quantitatively screen for Chlorfenapyr, Cyfluthrin, Cypermethrin, and Diazinon; as well as the qualitative confirmation of Dichlorvos, Permethrins, Piperonyl Butoxide, Prallethrin, Propiconazole, Pyrethrins, and Tebuconazole which are all quantitaively screened using LC-MS/MS. (Methods: SOP.T.30.500 for sample homogenization, SOP.T.30.104.AZ for sample prep, and SOP.T.40.154.AZ for analysis using a ThermoScietific 1310-series GC equipped with a TriPlus RSH autosampler and detected on a TSQ 9000-series mass spectrometer).

Ariel Gonzales
Lab Director

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Clementine
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Type: Distillate

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Telephone: (602) 842-0020
Email: christopher.paternoster@curaleaf.com
License # : 00000053DCXB00858835

Sample : TE31108003-004
Batch# : CAZ2306K-CLM-B
Sampled : 11/08/23
Ordered : 11/08/23

Sample Size Received : 36.47 gram
Total Amount : 7 gram
Completed : 11/10/23 **Expires:** 11/10/24
Sample Method : SOP Client Method

Residual Solvents

PASSED

Solvents	LOD	Units	Action Level	Pass/Fail	Result
BUTANES	159.0000	ppm	5000	PASS	ND
METHANOL	111.0000	ppm	3000	PASS	ND
PENTANES	266.5000	ppm	5000	PASS	ND
ETHANOL	156.6000	ppm	5000	PASS	ND
ETHYL ETHER	216.1000	ppm	5000	PASS	ND
ACETONE	33.7000	ppm	1000	PASS	ND
2-PROPANOL	215.2000	ppm	5000	PASS	ND
ACETONITRILE	11.4000	ppm	410	PASS	ND
DICHLOROMETHANE	21.8000	ppm	600	PASS	ND
HEXANES	7.6400	ppm	290	PASS	ND
ETHYL ACETATE	187.2000	ppm	5000	PASS	ND
CHLOROFORM	1.7700	ppm	60	PASS	ND
BENZENE	0.1610	ppm	2	PASS	ND
ISOPROPYL ACETATE	159.5000	ppm	5000	PASS	ND
HEPTANE	247.6000	ppm	5000	PASS	ND
TOLUENE	27.0000	ppm	890	PASS	ND
XYLENES	94.5000	ppm	2170	PASS	ND

Analyzed by:
93, 30, 104

Weight:
0.0276g

Extraction date:
11/08/23 16:59:14

Extracted by:
93

Analysis Method : SOP.T.40.044.AZ
Analytical Batch : TE003126SOL
Instrument Used : TE-285 "MS - Solvents 2",TE-283 "Injector - Solvents 2",TE-282 "HS - Solvents 2",TE-284 "GC - Solvents 2",TE-286 "Vacuum Pump - Solvents 2"
Analyzed Date : 11/08/23 18:08:30

Reviewed On : 11/09/23 15:21:01
Batch Date : 11/08/23 14:34:59

Dilution : N/A
Reagent : 013123.03; 051223.05; 060223.03
Consumables : H109203-1; 428251; 19000-1; GD220011
Pipette : N/A

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. (Method: SOP.T.40.044.AZ for sample prep and analysis via ThermoScientific 1310-series GC equipped with a TriPlus 500 Headspace autosampler and detection carried out by ISQ7000-series mass spectrometer). Butanes are reported as the sum of n-Butane and Isobutane. Pentanes are reported as the sum of n-Pentane, Isopentane, and Neopentane. Hexanes are reported as the sum of n-Hexane, 2-Methylpentane, 3-Methylpentane, 2,2-Dimethylbutane, and 2,3-Dimethylbutane. Xylenes are reported as the sum of Ethyl Benzene, m-Xylene, p-Xylene, and o-Xylene.

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Clementine
Matrix : Concentrate
Type: Distillate

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3333 S Central Ave
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Telephone: (602) 842-0020
Email: christopher.paternoster@curaleaf.com
License # : 00000053DCXB00858835

Sample : TE31108003-004
Batch# : CAZ2306K-CLM-B
Sampled : 11/08/23
Ordered : 11/08/23

Sample Size Received : 36.47 gram
Total Amount : 7 gram
Completed : 11/10/23 **Expires:** 11/10/24
Sample Method : SOP Client Method

Microbial — PASSED

Analyte	LOD	Units	Result	Pass / Fail	Action Level
SALMONELLA SPP			Not Present in 1g	PASS	
ASPERGILLUS FLAVUS			Not Present in 1g	PASS	
ASPERGILLUS FUMIGATUS			Not Present in 1g	PASS	
ASPERGILLUS NIGER			Not Present in 1g	PASS	
ASPERGILLUS TERREUS			Not Present in 1g	PASS	
ESCHERICHIA COLI REC	10.0000	CFU/g	<10	PASS	100

Analyzed by: 87, 272, 104 **Weight:** 0.9819g **Extraction date:** 11/10/23 11:19:46 **Extracted by:** 87

Analysis Method : SOP.T.40.056B, SOP.T.40.058.FL, SOP.T.40.208, SOP.T.40.209.AZ
Analytical Batch : TE003119MIC
Instrument Used : TE-234 "bioMerieux GENE-UP",TE-252 "bioMerieux TEMPO READER",TE-251 "bioMerieux TEMPO FILLER"
Analyzed Date : N/A
Reviewed On : 11/10/23 16:23:02
Batch Date : 11/08/23 13:30:09

Dilution : 10
Reagent : N/A
Consumables : N/A
Pipette : N/A

Mycotoxins — PASSED

Analyte	LOD	Units	Result	Pass / Fail	Action Level
TOTAL AFLATOXINS	1.4870	ppb	ND	PASS	20
AFLATOXIN B1	1.4700	ppb	ND	PASS	20
AFLATOXIN B2	1.8000	ppb	ND	PASS	20
AFLATOXIN G1	1.9000	ppb	ND	PASS	20
AFLATOXIN G2	3.2500	ppb	ND	PASS	20
OCHRATOXIN A	4.6100	ppb	ND	PASS	20

Analyzed by: 152, 39, 104, 272 **Weight:** 0.4969g **Extraction date:** 11/09/23 10:47:50 **Extracted by:** 312

Analysis Method : SOP.T.30.500, SOP.T.30.104.AZ, SOP.T.40.104.AZ
Analytical Batch : TE003134MYC
Instrument Used : N/A
Analyzed Date : 11/09/23 13:37:01
Reviewed On : 11/10/23 07:57:41
Batch Date : 11/09/23 11:37:21

Dilution : 25
Reagent : 110723.R07; 110623.R02; 110823.R01; 101123.R02; 110623.R01; 041823.06
Consumables : 947.084; 00334958-5; 00332484-2; 1008439554; 28521042; 210823-1124; 090623; 210725-598-D; GD220011; 323080IY
Pipette : TE-056 SN:21D58687; TE-060 SN:20C35457 (20-200uL); TE-108 SN:20B18337 (100-1000uL)

Aflatoxins B1, B2, G1, G2, and Ochratoxin A analysis using LC-MS/MS. (Methods: SOP.T.30.500 for sample homogenization, SOP.T.30.104.AZ for sample prep, and SOP.T.40.104.AZ for analysis on ThermoScientific Altis TSQ with Vanquish UHPLC). Total Aflatoxins (sum of Aflotoxins B1, B2, G1, G2) must be <20µg/kg. Ochratoxin must be <20µg/kg.

Heavy Metals — PASSED

Metal	LOD	Units	Result	Pass / Fail	Action Level
ARSENIC	0.0030	ppm	ND	PASS	0.4
CADMIUM	0.0020	ppm	ND	PASS	0.4
MERCURY	0.0125	ppm	ND	PASS	0.2
LEAD	0.0010	ppm	ND	PASS	1

Analyzed by: 30, 39, 272, 104 **Weight:** 0.1929g **Extraction date:** 11/09/23 13:19:11 **Extracted by:** 30

Analysis Method : SOP.T.30.500, SOP.T.30.084.AZ, SOP.T.40.084.AZ
Analytical Batch : TE003128HEA
Instrument Used : TE-153 "Bill"
Analyzed Date : 11/09/23 14:49:26
Reviewed On : 11/10/23 16:26:00
Batch Date : 11/08/23 14:35:17

Dilution : 50
Reagent : 062723.01; 102323.R03; 103023.R13; 110723.01; 051723.06; 101723.18
Consumables : K107291-06; 12622-306CE-306C; 28521042; 210823-1124; GD220011
Pipette : TE-069 SN:21B23920; TE-169 SN: 20B16352 (Nitric Acid)

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma – Mass Spectrometer) which can screen down to below single digit ppb concentrations for regulated heavy metals. (Methods: SOP.T.30.500 for sample homogenization, SOP.T.30.084.AZ for sample prep by microwave digestion, and SOP.T.40.084.AZ for analysis by ThermoScientific iCAP RQ ICP-MS).

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Lab Director

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Sample Size Received : 36.47 gram
Total Amount : 7 gram
Completed : 11/10/23 **Expires:** 11/10/24
Sample Method : SOP Client Method

COMMENTS

* Confident Cannabis sample ID: 2311KLAZ0435.2427

* Pesticide TE31108003-004PES

1 - M2: Chlorpyrifos, Clofentezine, Hexythiazox. Thiamethoxam, Trifloxystrobin.

* Cannabinoid TE31108003-004POT

1 - M1: D8-THC

* Residual TE31108003-004SOL

1 - V1 - butanes, heptane, toluene, ethylbenzene, 1,3-/1,4- dimethylbenzene L1 - butanes, methanol, ethanol, ethyl ether, acetone, hexanes, chloroform, benzene, heptane, ethylbenzene, 1,3-/1,4- dimethylbenzene R1 - iso-pentane, n-pentane, methanol, ethanol, ethyl ether, acetone, hexanes, 2-propanol, acetonitrile, dichloromethane, ethyl acetate, chloroform, benzene, isopropyl acetate, heptane, toluene, xylenes

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Lab Director

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