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

Kaycha Labs

Libra
Libra
Matrix: Flower
Type: Cannabis Flower

Certificate of Analysis

Sample:TE40220003-001
Batch#: 0130F3LBA
Batch Date: 02/20/24
Sample Size Received: 19.82 gram
Total Amount: 10 gram
Retail Product Size: 1 gram
Ordered: 02/20/24
Sampled: 02/20/24
Completed: 02/26/24
Revision Date: 02/27/24

Feb 27, 2024 | Sublime Brands

License # 00000014ESNA15249640
1101 N 21st Ave
Phoenix, AZ, 85009, US

PASSED

PRODUCT IMAGE

SAFETY RESULTS

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

MISC.

Terpenes
TESTED

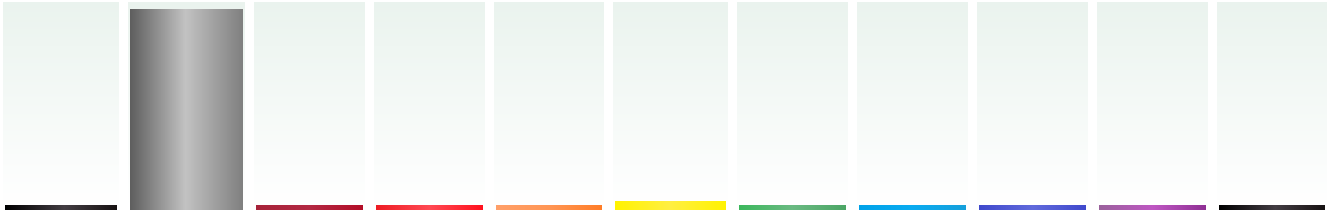
Cannabinoid

PASSED

Total THC
21.2807%

Total CBD
0.0000%

Total Cannabinoids
25.2944%



	D9-THC	THCA	CBD	CBDA	CBG	CBGA	CBN	D8-THC	THCV	CBDV	CBC
%	0.4233	23.7827	ND	ND	ND	0.9617	ND	ND	ND	ND	ND
mg/g	4.233	237.827	ND	ND	ND	9.617	ND	ND	ND	ND	ND
LOD	0.0120 %	0.0100 %	0.0060 %	0.0060 %	0.0090 %	0.0050 %	0.0100 %	0.0070 %	0.0050 %	0.0080 %	0.0060 %

Analyzed by:
312, 272, 299

Weight:
0.2001g

Extraction date:
02/23/24 14:16:23

Extracted by:
312

Analysis Method : SOP.T.30.500, SOP.T.30.031, SOP.T.40.031
Analytical Batch : TE004057POT
Instrument Used : TE-004 "Duke Leto" (Flower)
Analyzed Date : 02/23/24 12:32:40

Reviewed On : 02/26/24 17:26:21
Batch Date : 02/23/24 09:25:23

Dilution : 400
Reagent : N/A
Consumables : N/A
Pipette : N/A

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

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ISO 17025 Accreditation # 97164

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Email: info@sublimeaz.com
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Batch# : 0130F3LBA
Sampled : 02/20/24
Ordered : 02/20/24

Sample Size Received : 19.82 gram
Total Amount : 10 gram
Completed : 02/26/24 **Expires:** 02/27/25
Sample Method : SOP Client Method

Terpenes

TESTED

Terpenes	LOD (%)	mg/g	%	Result (%)
TOTAL TERPENES		4.224	0.4224	
BETA-CARYOPHYLLENE		2.414	0.2414	
LIMONENE		1.285	0.1285	
ALPHA-HUMULENE		0.525	0.0525	
3-CARENE		ND	ND	
BORNEOL		ND	ND	
CAMPHENE		ND	ND	
CAMPHOR		ND	ND	
CARYOPHYLLENE OXIDE		ND	ND	
CEDROL		ND	ND	
EUCALYPTOL		ND	ND	
FENCHONE		ND	ND	
FENCHYL ALCOHOL		ND	ND	
GERANIOL		ND	ND	
GERANYL ACETATE		ND	ND	
GUAIOL		ND	ND	
ISOBORNEOL		ND	ND	
ISOPULEGOL		ND	ND	
LINALOOL		ND	ND	
MENTHOL		ND	ND	
NEROL		ND	ND	
OCIMENE		ND	ND	
PULEGONE		ND	ND	
SABINENE		ND	ND	
SABINENE HYDRATE		ND	ND	
TERPINOLENE		ND	ND	
VALENCENE		ND	ND	
ALPHA-BISABOLOL		ND	ND	
ALPHA-CEDRENE		ND	ND	
ALPHA-PHELLANDRENE		ND	ND	
ALPHA-PINENE		ND	ND	

Terpenes	LOD (%)	mg/g	%	Result (%)
ALPHA-TERPINENE		ND	ND	
ALPHA-TERPINEOL		ND	ND	
BETA-MYRCENE		ND	ND	
BETA-PINENE		ND	ND	
CIS-NEROLIDOL		ND	ND	
GAMMA-TERPINENE		ND	ND	
GAMMA-TERPINEOL		ND	ND	
TRANS-NEROLIDOL		ND	ND	

Total (%)	0.4220

Analyzed by: 334, 272, 299
Weight: 0.1274g
Extraction date: 02/22/24 11:04:38
Extracted by: 334

Analysis Method : SOP.T.30.500, SOP.T.30.064, SOP.T.40.064
Analytical Batch : TE004051TER
Instrument Used : TE-096 "MS - Terpenes 1",TE-097 "AS - Terpenes 1",TE-103 "Computer - Terpenes 1",TE-093 "GC - Terpenes 1"
Analyzed Date : 02/22/24 11:06:15
Reviewed On : 02/23/24 11:47:36
Batch Date : 02/22/24 11:03:59

Dilution : N/A
Reagent : 070622.13; 051223.04
Consumables : 0000179471; 947.100; 20231110; 8000031463; 12622-306CE-306C; 1; H109203-1; GD220011
Pipette : N/A

Terpenes screening is performed using GC-MS which can detect below single digit ppm concentrations. (Methods: SOP.T.30.500 for sample homogenization, SOP.T.30.064 for sample prep, and SOP.T.40.064 for analysis via ThermoScientific 1310-series GC equipped with an AI 1310-series liquid injection autosampler and detection carried out by ISQ 7000-series mass spectrometer). Terpene results are reported on a wt/wt% basis. Testing result is for informational purposes only and cannot be used to satisfy dispensary testing requirements in R9-17-317.01(A) or labeling requirements in R9-17-317. Nor, can it be used to satisfy marijuana establishment testing requirements in R9-18-311(A) or labeling requirements in R9-18-310 – Q3.

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Completed : 02/26/24 **Expires:** 02/27/25
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, 272, 299 | **Weight:** 0.5017g | **Extraction date:** 02/23/24 14:32:09 | **Extracted by:** 331

Analysis Method : SOP.T.30.500, SOP.T.30.104.AZ, SOP.T.40.104.AZ
Analytical Batch : TE004060PES
Instrument Used : TE-118 "MS/MS Pest/Myco 1",TE-261 "UHPLC - Pest/Myco 2"
Analyzed Date : 02/26/24 10:37:13
Reviewed On : 02/26/24 17:27:07
Batch Date : 02/23/24 09:51:56
Dilution : 25
Reagent : 020624.R18; 021224.R03; 021424.R18; 020124.R16; 021624.R14; 020124.R17; 041823.06
Consumables : 947.100; 00346492-5; 1008443837; 110123CH02; 728914- G23536; 1; 270638; GD220011; 322011JA
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, 272, 299 | **Weight:** 0.5017g | **Extraction date:** 02/23/24 14:32:09 | **Extracted by:** 331

Analysis Method : SOP.T.30.500, SOP.T.30.104.AZ, SOP.T.40.154.AZ
Analytical Batch : TE004071VOL
Instrument Used : TE-118 "MS/MS Pest/Myco 1",TE-261 "UHPLC - Pest/Myco 2"
Analyzed Date : N/A
Reviewed On : 02/26/24 17:24:26
Batch Date : 02/26/24 10:30:57
Dilution : 25
Reagent : 020624.R18; 021224.R03; 021424.R18; 020124.R16; 021624.R14; 020124.R17; 041823.06
Consumables : 947.100; 00346492-5; 1008443837; 110123CH02; 728914- G23536; 1; 270638; GD220011; 322011JA
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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Sampled : 02/20/24
Ordered : 02/20/24

Sample Size Received : 19.82 gram
Total Amount : 10 gram
Completed : 02/26/24 **Expires:** 02/27/25
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: 96, 272, 299 **Weight:** 0.9681g **Extraction date:** 02/22/24 10:20:26 **Extracted by:** 87,96

Analysis Method : SOP.T.40.056B, SOP.T.40.058.FL, SOP.T.40.208, SOP.T.40.209.AZ
Analytical Batch : TE004025MIC
Instrument Used : TE-234 "bioMerieux GENE-UP"
Analyzed Date : 02/22/24 08:21:22
Reviewed On : 02/23/24 11:39:10
Batch Date : 02/20/24 11:42:13

Dilution : 10
Reagent : 021624.01; 120123.23; 120123.27; 120123.28; 010424.33; 010424.39; 080423.44; 112223.33; 013024.08; 112223.01; 112223.05; 051923.05; 021624.R26
Consumables : 22507; 33T797; 210616-361-B; 1008443837; 20221115-071-B; 35123025; 110123CH02; 728914- G23536; 270638; NT10-1212; 6890930; 20233235; X002E5BZFT; 41513
Pipette : TE-053 SN:20E78952; TE-058 SN:20C35427; TE-061 SN:20C35454; TE-062 SN:20C50491; TE-066 SN:20D56970; TE-069 SN:21B23920; TE-109 SN:20B18330; TE-107 SN:21G98546; TE-256 Dispensette S Bottle Top Dispenser SN:20G36073; TE-258; TE-340 10-mL VWR Pipettor (SN: 17N4167)

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, 272, 299 **Weight:** 0.5017g **Extraction date:** 02/23/24 14:32:09 **Extracted by:** 331

Analysis Method : SOP.T.30.500, SOP.T.30.104.AZ, SOP.T.40.104.AZ
Analytical Batch : TE004072MYC
Instrument Used : N/A
Analyzed Date : N/A
Reviewed On : 02/26/24 17:25:01
Batch Date : 02/26/24 10:34:20

Dilution : 25
Reagent : 020624.R18; 021224.R03; 021424.R18; 020124.R16; 021624.R14; 020124.R17; 041823.06
Consumables : 947.100; 00346492-5; 1008443837; 110123CH02; 728914- G23536; 1; 270638; GD220011; 322011JA
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: 39, 272, 299 **Weight:** 0.1954g **Extraction date:** 02/23/24 11:40:02 **Extracted by:** 331

Analysis Method : SOP.T.30.500, SOP.T.30.084.AZ, SOP.T.40.084.AZ
Analytical Batch : TE004063HEA
Instrument Used : N/A
Analyzed Date : 02/26/24 15:25:10
Reviewed On : 02/26/24 17:25:23
Batch Date : 02/23/24 11:13:25

Dilution : 50
Reagent : 101723.13; 012924.R05; 020724.R08; 091123.04; 031023.05
Consumables : 35123025; 728914- G23536; 210725-598-D; GD220011
Pipette : TE-110 SN:20B18338 (100-1000uL); 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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COMMENTS

* Confident Cannabis sample ID: 2402KLAZ0128.0550

* Pesticide TE40220003-001PES

1 - M1: Daminozide. M2: Bifenthrin, Chlorpyrifos, Clofentezine, Etofenprox, Fenoxycarb, Hexythiazox, Total Permethrins.

* Volatile Pesticides TE40220003-001VOL

1 - M2: Chlorfenapyr, Cyfluthrin.

* SRF Comments

1 - Harvest Date : 1/30/2024

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