879 Federal Blvd
Denver, CO, 80204, USA

Kaycha Labs
RAW-ORGFS-CBD
N/A
Matrix: Concentrate

Certificate of Analysis

Sample:DE20120009-001
Harvest/Lot ID: O-CO2-YP5-01422-BT7
Batch#: 2021-705Partial-1
Seed to Sale# 1A4000B00010D25000001124
Batch Date: 01/14/22
Sample Size Received: 7 gram
Total Weight/Volume: N/A
Retail Product Size: 1 gram
ordered : 01/17/22
sampled : 01/17/22
Completed: 01/26/22
Sampling Method: SOP-024

Jan 26, 2022 | Hemplucid
License # 405R-00011
4844 N. 300 W. Ste. 202
Provo, UT, 84604, US

PASSED

PRODUCT IMAGE

SAFETY RESULTS

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

MISC.

Terpenes
TESTED

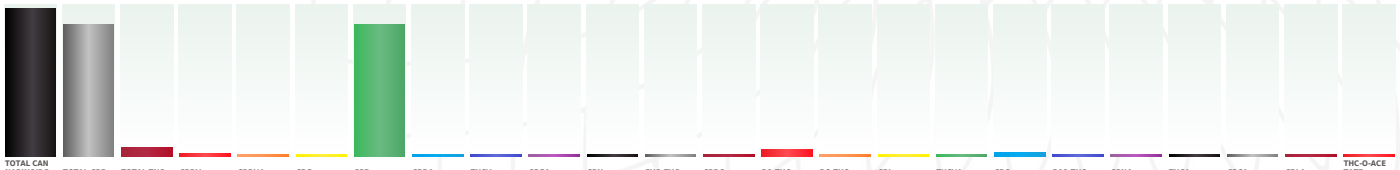
Cannabinoid

PASSED

Total THC
3.57%

Total CBD
55.215%

Total Cannabinoids
62.186%



	TOTAL CANNABINOIDS	TOTAL CBD	TOTAL THC	CBDV	CBDVA	CBG	CBD	CBDA	THCV	CBGA	CBN	EXO-THC	CBDQ	D9-THC	D8-THC	CBL	THCVA	CBC	D10-THC	CBNA	THCA	CBCA	CBLA	THC-O-ACETATE
%	62.186	55.215	3.57	1.371	0	0	55.215	0	0	0	0.207	0.707	0	2.863	0	0	0	1.823	0	0	0	0	0	0
mg/g																								
LOD	0.001 %	0.001 %	0.001 %	0.001 %	0.0007 %	0.0021 %	0.0033 %	0.0012 %	0.002 %	0.0019 %	0.0018 %	0.004 %	0.0148 %	0.0008 %	0.0026 %	0.0009 %	0.0007 %	0.0028 %	0.0005 %	0.0009 %	0.0004 %	0.0021 %	0.0011 %	0.0034 %

Analyzed by
1253

Weight
0.1668g

Extraction date :
01/21/22 03:01:45

Extracted By :
1642

Analysis Method -SOP-020 (R15)
Reviewed On - 01/23/22 12:10:11
Analytical Batch -DE002922POT

Batch Date : 01/21/22 10:59:38
Instrument Used : Agilent 1100 "Liger"

Running On : 01/21/22 16:33:44

Dilution : 200
Reagent : 011322.03; 122321.R02; 011822.R08; 102221.R05; 011822.06
Consumables : 11152021; 1119999; 00291464; R1KB34782; 298076054; 12211-108CC-108; 923C4-923AK; 5079-525C6-525E

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with DAD detection (HPLC-UV). Method SOP-022 (R13) for reporting. Lower limit of linearity for all cannabinoids is 1 mg/L.

Stephen Goldman
Lab Director
State License # 405R-00011
405-00008
ISO Accreditation # 4331.01

Signature

01/26/22
Signed On

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Denver, CO, 80204, USA

Kaycha Labs

RAW-ORGFS-CBD
N/A
Matrix : Concentrate

Certificate of Analysis

PASSED

Hemplucid

4844 N. 300 W. Ste. 202
Provo, UT, 84604, US
Telephone: 7192318261
Email: sarah@hemplucid.com
License # : 405R-00011

Sample : DE20120009-001
Harvest/Lot ID: O-CO2-YP5-01422-BT7
Batch# : 2021-705Partial-1
Sampled : 01/17/22
Odered : 01/17/22

Sample Size Received : 7 gram
Total Weight/Volume : N/A
Completed : 01/26/22 **Expires:** 01/26/23
Sample Method : SOP-024

Terpenes

TESTED

Terpenes	LOD (%)	mg/g	%	Result (%)
ALPHA-PINENE	0.002	0	0	
CAMPHENE	0.002	0	0	
BETA-PINENE	0.002	0	0	
MYRCENE	0.002	0	0	
DELTA-3-CARENE	0.002	0	0	
ALPHA-TERPINENE	0.002	0	0	
P-CYMENE	0.002	0	0	
LIMONENE	0.002	0	0	
EUCALYPTOL	0.002	0	0	
CIS-OCIMENE	0.002	0	0	
GAMMA-TERPINENE	0.002	0	0	
TERPINOLENE	0.002	0	0	
LINALOOL	0.002	0.22	0.022	
(-)-ISOPULEGOL	0.002	0	0	
BORNEOL	0.002	0.04	0.004	
MENTHOL	0.002	0	0	
ALPHA-TERPINEOL	0.002	0.02	0.002	
PULEGONE	0.002	0	0	
GERANIOL	0.002	0	0	
2-ETHYL-FENCHOL	0.002	0	0	
BETA-CARYOPHYLLENE	0.002	7.11	0.711	
HUMULENE	0.002	3.32	0.332	
BISABOLENE	0.002	0	0	
NEROLIDOL	0.002	0.46	0.046	
(-)-CARYOPHYLLENE OXIDE	0.002	0	0	
(-)-GUAIOL	0.002	5.96	0.596	
(-)-ALPHA-BISABOLOL	0.002	18.63	1.863	

Total (%) 3.57

Terpenes

TESTED

Analyzed by 1542
Weight 0.1668g
Extraction date 01/21/22 05:01:34
Extracted By 1642
Analysis Method - SOP-067 (R0)
Analytical Batch - DE002925TER
Reviewed On - 01/24/22 15:28:33
Instrument Used : GC 6890
Running On : 01/21/22 17:50:38
Batch Date : 01/21/22 16:33:17

Dilution : 40
Reagent : 012022.R04
Consumables : 11152021; 1119999; 00291464; 298076054; 12211-108CC-108
Terpenoid profile screening is performed by GC-FID with liquid injection via SOP-067 (R0) which can screen for 28 terpenes.

Stephen Goldman
Lab Director
State License # 405R-00011
405-00008
ISO Accreditation # 4331.01

Signature

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879 Federal Blvd
Denver, CO, 80204, USA

Kaycha Labs

RAW-ORGFS-CBD
N/A
Matrix : Concentrate

Certificate of Analysis

PASSED

Hemplucid

4844 N. 300 W. Ste. 202
Provo, UT, 84604, US
Telephone: 7192318261
Email: sarah@hemplucid.com
License # : 405R-00011

Sample : DE20120009-001
Harvest/Lot ID: O-CO2-YP5-01422-BT7

Batch# : 2021-705Partial-1
Sampled : 01/17/22
Odered : 01/17/22

Sample Size Received : 7 gram
Total Weight/Volume : N/A
Completed : 01/26/22 **Expires:** 01/26/23
Sample Method : SOP-024

Pesticides

PASSED

Pesticide	LOD	Units	Action Level	Pass/Fail	Result
OTHER PESTICIDES	0.1	ppb	100		0
AVERMECTINS	0.0271	ppb	70		0
AZOXYSTROBIN	0.0149	ppb	20		0
BIFENAZATE	0.0118	ppb	20		0
ETOXAZOLE	0.00645	ppb	10		0
IMAZALIL	0.0646	ppb	40		0
IMIDACLOPRID	0.00748	ppb	20		0
MALATHION	0.01108	ppb	50		0
MYCLOBUTANIL	0.0135	ppb	40		0
PERMETHRINS	0.0131	ppb	40		0
SPIROMESIFEN	0.0499	ppb	30		0
SPIROTETRAMAT	0.0301	ppb	20		0
SPINOSADS	0.0134	ppb	60		0
TEBUCONAZOLE	0.0103	ppb	10		0

Pesticide	LOD	Units	Action Level	Pass/Fail	Result

Pesticides

PASSED

Analysis Method - SOP-060 (R5)
Analytical Batch - DE002914PES
Instrument Used : Sciex 6500 Qtrap - Pesticides
Running on :

Reviewed On : 01/26/22 17:07:24
Batch Date : 01/20/22 08:38:23

Analyzed by:	Weight:	Extraction date:	Extracted by:
1696	0.1597g	01/21/22 03:01:16	1696

Dilution : 25
Reagent : 010422.R06; 011822.R17; 122721.R07; 012022.R02; 011222.R01
Consumables : 11152021; 1119999; 00291464; 114CB--114E; 16564-106C6-106H

Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides via SOP-060 (R5).

Stephen Goldman
Lab Director

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405-00008
ISO Accreditation # 4331.01

Signature

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Kaycha Labs

RAW-ORGFS-CBD
N/A
Matrix : Concentrate

Certificate of Analysis

PASSED

Hemplucid

4844 N. 300 W. Ste. 202
Provo, UT, 84604, US
Telephone: 7192318261
Email: sarah@hemplucid.com
License # : 405R-00011

Sample : DE20120009-001
Harvest/Lot ID: O-CO2-YP5-01422-BT7
Batch# : 2021-705Partial-1
Sampled : 01/17/22
Odered : 01/17/22

Sample Size Received : 7 gram
Total Weight/Volume : N/A
Completed : 01/26/22 **Expires:** 01/26/23
Sample Method : SOP-024

Residual Solvents

PASSED

Solvents	LOD	Units	Action Level	Pass/Fail	Result
PROPANE	4.21421	ppm	1000		-0.539
ETHYL ACETATE	2.79218	ppm	1000		0
BUTANES	15.794	ppm	1000		0
BENZENE	0.47491	ppm	2		0
METHANOL	1.27868	ppm	600		12.268
HEPTANE	3.25945	ppm	1000		0
PENTANES	13.828	ppm	1000		0
TOLUENE	2.10881	ppm	180		0.596
XYLENES	7.115	ppm	430		0
ETHANOL	2.70106	ppm	1000000		10.151
ACETONE	1.708	ppm	1000		10.915
2-PROPANOL	1.58756	ppm	1000		0.258
HEXANES	1.92798	ppm	60		0

Solvents

PASSED

Analyzed by	Weight	Extraction date	Extracted By
1253	0.1542g	01/21/22 11:01:11	1253

Analysis Method -SOP-032 (R18)
Analytical Batch -DE002920SOL
Instrument Used : GC 5890
Running On :
Batch Date : 01/21/22 07:22:49

Reviewed On - 01/25/22 12:46:18

Dilution : 1
Reagent : 010822.R02; 011922.R07
Consumables : MKCN2192; 24160453; 31726-2-1; 16564-106C6-106H
Residual solvents screening is performed using GCwhich can detect below single digit ppm concentrations. Currently we analyze for 15 Residual solvents.

Stephen Goldman
Lab Director
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405-00008
ISO Accreditation # 4331.01

Signature

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Signed On

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Denver, CO, 80204, USA

Kaycha Labs

RAW-ORGFS-CBD
N/A
Matrix : Concentrate

Certificate of Analysis

PASSED

Hemplucid

4844 N. 300 W. Ste. 202
Provo, UT, 84604, US
Telephone: 7192318261
Email: sarah@hemplucid.com
License # : 405R-00011

Sample : DE20120009-001
Harvest/Lot ID: O-CO2-YP5-01422-BT7
Batch# : 2021-705Partial-1
Sampled : 01/17/22
Odered : 01/17/22

Sample Size Received : 7 gram
Total Weight/Volume : N/A
Completed : 01/26/22 **Expires:** 01/26/23
Sample Method : SOP-024

Microbial — PASSED

Analyte	LOD	Units	Result	Pass / Fail	Action Level
TOTAL YEAST AND MOLD	100	cfu/g	0		10000
SHIGA TOXIN PRODUCING ESCHERICHIA COLI STEC	1	CFU	0		1
SALMONELLA SPECIES	1	CFU	0		1
MICROBIALS	10	cfu/g	0		100000

Analysis Method - SOP-061 (R2); SOP-062 (R2); SOP-063 (R1)
Analytical Batch - DE002913MIC
Instrument Used : Microbial - Full Panel
Running on : 01/24/22 12:11:43
Reviewed On : 01/24/22 12:54:50
Batch Date : 01/19/22 17:34:48

Analyzed by:	Weight:	Extraction date:	Extracted by:
NA		NA	NA

Dilution : 1

Reagent : 011922.R06; 012022.R01; 011122.R12; 112921.R19; 121721.R06; 101521.R04; 011822.R10; 082721.01; 110821.04; 110821.02; 122321.01; 121521.31; 011822.07; 011722.R07; 022221.63; 121421.10

Consumables : 61596-112C6-112E; 40898-021C4-021AI; 1; 210622-688; 12265-115CC-115; NT10-1212; 20/08/30; 01860; 00104; 0000004355; C_2142603

Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) methods and plating methods. If a pathogenic Escherichia Coli (STEC) or Salmonella is detected in 1g of a sample, the sample fails the microbiological-impurity testing.

Heavy Metals — PASSED

Metal	LOD	Units	Result	Pass / Fail	Action Level
ARSENIC	0.0020	ppm	0.002		0.2
CADMIUM	0.0016	ppm	0		0.2
MERCURY	0.0035	ppm	0		0.1
LEAD	0.0101	ppm	0		0.5

Analyzed by	Weight	Extraction date	Extracted By
7	0.2056g	01/21/22 03:01:47	666

Analysis Method -SOP-050 (R5)
Analytical Batch -DE002904HEA | Reviewed On - 01/23/22 13:23:11
Instrument Used : Shimadzu 2030 ICP-MS
Running On : 01/21/22 16:12:44 **| Batch Date :** 01/18/22 16:00:35

Dilution : 50

Reagent : 082721.13; 011722.R02; 011722.R01; 102121.03; 010622.R05; 011822.06

Consumables : 210316-361-B; 114CB--114E; 12294-118CC-118; 234422

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma – Mass Spectrometer) which can screen to below single digit ppb concentrations for regulated heavy metals using method SOP-050 (R5). Sample preparation for Heavy Metals Analysis via SOP-050 (R5).

Stephen Goldman
Lab Director
State License # 405R-00011
405-00008
ISO Accreditation # 4331.01

Signature

01/26/22
Signed On