879 Federal Blvd
Denver, CO, 80204, USA

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

Certificate of Analysis

Sample:DE10429014-007
Harvest/Lot ID: 2020-O-RME-0002-0020
Seed to Sale #1A4000B00010D25000000185
Batch Date :04/01/21
Batch#: PO148
Sample Size Received: 10 ml
Total Weight/Volume: N/A
Retail Product Size: 1 gram
Ordered : 04/29/21
sampled : 04/29/21
Completed: 05/05/21 Expires: 05/05/22
Sampling Method: SOP-024

May 07, 2021 | Hemplucid

License # NA
4844 N. 300 W. Ste. 202
Provo, CO, 84604, US

PASSED

PRODUCT IMAGE

SAFETY RESULTS

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

MISC.

Terpenes
TESTED

CANNABINOID RESULTS

Total THC
0.000%

Total CBD
75.756%

Total Cannabinoids
80.989%

	CBDV	CBDVA	CBG	CBD	CBDA	THCV	CBGA	CBN	EXO-THC	CBDQ	D9-THC	D8-THC	CBL	THCVA	CBC	D10-THC	CBNA	THCA	CBCA	CBLA
	ND	ND	2.360	75.756	ND	ND	ND	0.835	ND	ND	ND	ND	ND	ND	2.037	ND	ND	ND	ND	ND
	ND	ND	23.60	757.56	ND	ND	ND	8.35	ND	ND	ND	ND	ND	ND	20.37	ND	ND	ND	ND	ND
LOD	0.00265237 %	0.00070559 %	0.00219044 %	0.00333396 %	0.00125116 %	0.00205806 %	0.00192419 %	0.00183167 %	0.00401072 %	0.0148 %	0.00084794 5 %	0.00268886 %	0.00092180 7 %	0.00071737 8 %	0.00286194 %	%	0.00091019 4 %	0.00045846 1 %	0.00210199 %	0.00116619 %

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
1253	0.1602g	05/03/21 05:05:02	1542

Analysis Method -SOP-020 (R15) **Reviewed On -** 05/04/21 13:12:50 **Batch Date :** 05/03/21 14:36:39
Analytical Batch -DE001837POT **Instrument Used :** Agilent 1100 "Liger" **Running On :**

Reagent	Dilution	Consums. ID	Consums. ID
043021.R03 040321.R02 043021.R09	200	24161320 0264898 00302923 280674667 12104-042CC-042 923C4-923AK	61292-019C6-019H

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

05/05/21
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Kaycha Labs
RAW-ORGBS-CBD
N/A
Matrix : Concentrate

Certificate of Analysis

PASSED

4844 N. 300 W. Ste. 202
Provo, CO, 84604, US
Telephone: 7192318261
Email: sarah@hemplucid.com
License #: NA

Sample : DE10429014-007
Harvest/LOT ID: 2020-O-RME-0002-0020
Batch# : PO148
Sampled : 04/29/21
Ordered : 04/29/21
Sample Size Received : 10 ml
Total Weight/Volume : N/A
Completed : 05/05/21 **Expires:** 05/05/22
Sample Method : SOP-024

Terpenes — TESTED

Terpenes	LOD(%)	mg/g	%	Result (%)
ALPHA-PINENE	0.002	ND	ND	
CAMPHENE	0.002	ND	ND	
BETA-PINENE	0.002	ND	ND	
MYRCENE	0.002	ND	ND	
DELTA-3-CARENE	0.002	ND	ND	
ALPHA-TERPINENE	0.002	ND	ND	
P-CYMENE	0.002	ND	ND	
LIMONENE	0.002	ND	ND	
EUCALYPTOL	0.002	ND	ND	
CIS-OCIMENE	0.002	ND	ND	
GAMMA-TERPINENE	0.002	ND	ND	
TERPINOLENE	0.002	ND	ND	
LINALOOL	0.002	ND	ND	
(-)-ISOPULEGOL	0.002	ND	ND	
BORNEOL	0.002	ND	ND	
MENTHOL	0.002	ND	ND	
ALPHA-TERPINEOL	0.002	ND	ND	
PULEGONE	0.002	ND	ND	
GERANIOL	0.002	ND	ND	
2-ETHYL-FENCHOL	0.002	ND	ND	
BETA-CARYOPHYLLENE	0.002	0.511	0.051	
HUMULENE	0.002	ND	ND	
BISABOLENE	0.002	ND	ND	
NEROLIDOL	0.002	ND	ND	
(-)-CARYOPHYLLENE OXIDE	0.002	2.874	0.287	
(-)-GUAIOL	0.002	1.378	0.137	
(-)-ALPHA-BISABOLOL	0.002	4.328	0.432	
Total (%)		0.909		

| Terpenes | LOD(%) | mg/g | % | Result (%) |

Terpenes — TESTED

Analyzed by	Weight	Extraction date	Extracted By
8	0.1602g	05/04/21 09:05:25	1542

Analysis Method - SOP-067 (R0)
Analytical Batch - DE001838TER **Reviewed On -** 05/05/21 14:00:05
Instrument Used : GC 6890
Running On :
Batch Date : 05/03/21 14:38:28

Reagent	Dilution	Consums. ID
043021.R03	40	24161320 0264898 00302923 280674667 12104-042CC-042

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

05/05/21
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Kaycha Labs
RAW-ORGBS-CBD
N/A
Matrix : Concentrate

Certificate of Analysis

PASSED

4844 N. 300 W. Ste. 202
Provo, CO, 84604, US
Telephone: 7192318261
Email: sarah@hemplucid.com
License #: NA

Sample : DE10429014-007
Harvest/LOT ID: 2020-O-RME-0002-0020
Batch# : PO148
Sampled : 04/29/21
Ordered : 04/29/21
Sample Size Received : 10 ml
Total Weight/Volume : N/A
Completed : 05/05/21 **Expires:** 05/05/22
Sample Method : SOP-024

Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Result
OTHER PESTICIDES	0.1	ppb	100	ND
AVERMECTINS	0.0271	ppb	70	ND
AZOXYSTROBIN	0.0149	ppb	20	ND
BIFENAZATE	0.0118	ppb	20	ND
ETOXAZOLE	0.00645	ppb	10	ND
IMAZALIL	0.0646	ppb	40	ND
IMIDACLOPRID	0.00748	ppb	20	ND
MALATHION	0.01108	ppb	50	ND
MYCLOBUTANIL	0.0135	ppb	40	ND
PERMETHRINS	0.0131	ppb	40	22.800
SPIROMESIFEN	0.0499	ppb	30	ND
SPIROTETRAMAT	0.0301	ppb	20	ND
SPINOSADS	0.0134	ppb	60	ND
TEBUCONAZOLE	0.0103	ppb	10	ND

Pesticides	LOD	Units	Action Level	Result

Pesticides — PASSED

Analyzed by	Weight	Extraction date	Extracted By
7	0.1417g	05/01/21 12:05:40	7

Analysis Method - SOP-060 (R5) ,
Analytical Batch - DE001828PES
Instrument Used : Sciex 6500 Qtrap - Pesticides
Running On :
Batch Date : 04/30/21 12:05:25

Reagent	Dilution	Consums. ID
042721.R10	25	24161320
042721.R12		0264898
042721.R11		00302923
042021.R04		040CB-040D
041321.R04		280674667
050121.R01		213685

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

Certificate of Analysis

PASSED

4844 N. 300 W. Ste. 202
Provo, CO, 84604, US
Telephone: 7192318261
Email: sarah@hemplucid.com
License #: NA

Sample : DE10429014-007
Harvest/LOT ID: 2020-O-RME-0002-0020
Batch# : PO148
Sampled : 04/29/21
Ordered : 04/29/21
Sample Size Received : 10 ml
Total Weight/Volume : N/A
Completed : 05/05/21 **Expires:** 05/05/22
Sample Method : SOP-024

Residual Solvents — PASSED

Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
PROPANE	4.21421	ppm	1000	PASS	ND
ETHYL ACETATE	2.79218	ppm	1000	PASS	ND
BUTANES	15.794	ppm	1000	PASS	ND
BENZENE	0.47491	ppm	2	PASS	ND
METHANOL	1.27868	ppm	600	PASS	4.048
HEPTANE	3.25945	ppm	1000	PASS	ND
PENTANES	13.828	ppm	1000	PASS	ND
TOLUENE	2.10881	ppm	180	PASS	ND
XYLENES	7.115	ppm	430	PASS	ND
ETHANOL	2.70106	ppm	10000	PASS	ND
ACETONE	1.708	ppm	1000	PASS	ND
2-PROPANOL	1.58756	ppm	1000	PASS	<4.762
HEXANES	1.92798	ppm	60	PASS	ND

Residual Solvents — PASSED

Analyzed by	Weight	Extraction date	Extracted By
666	0.15g	05/03/21 03:05:42	666

Analysis Method -SOP-032 (R18)
Analytical Batch -DE001834SOL **Reviewed On - 05/04/21 11:11:06**
Instrument Used : GC 5890
Running On : 05/03/21 16:45:39
Batch Date : 05/03/21 10:15:36

Reagent	Dilution	Consums. ID
042121.R01	1	018C4-018D
042721.R09		24160453
		31726-2-1
		61564-106C6-106H

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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ISO Accreditation # 4331.01

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

Certificate of Analysis

PASSED

Sample : DE10429014-007
Harvest/LOT ID: 2020-O-RME-0002-0020

4844 N. 300 W. Ste. 202
Provo, CO, 84604, US
Telephone: 7192318261
Email: sarah@hemplucid.com
License #: NA

Batch# : PO148
Sampled : 04/29/21
Ordered : 04/29/21

Sample Size Received : 10 ml
Total Weight/Volume : N/A
Completed : 05/05/21 **Expires:** 05/05/22
Sample Method : SOP-024

Microbials — PASSED

Analyte	LOD	Result
TOTAL_YEAST_AND_MOLD		not present in 1 gram.
SHIGA_TOXIN_PRODUCING_ESCHERICHIA_COLI_STEC		not present in 1 gram.
SALMONELLA_SPECIES		not present in 1 gram.

Analysis Method -SOP-061 (R2); SOP-062 (R2); SOP-063 (R1)
Analytical Batch -DE001827MIC **Batch Date :** 04/30/21
Instrument Used : Microbial - Full Panel
Running On :

Analyzed by	Weight	Extraction date	Extracted By
6	2.18g	05/03/21	6

Reagent	Reagent	Reagent	Reagent	Consums. ID	Consums. ID
032521.R15	041321.R05	021221.02	043021.R01	1057-225-000	NT10-1212
041421.R08	041421.R12	031121.07	040121.18	40898-021C4-021AI	3
041421.R07	041321.02	040221.01	040121.19	12104-042CC-042	00019
043021.R02	042721.02	022221.15		0	00100
042621.R12	042821.01	022221.14		1	CH_2048639
022321.R13	100419.03	042921.R12		2	

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.

Mycotoxins — PASSED

Analyte	LOD	Units	Result	Action Level (PPM)
AFLATOXIN G2	0.303	ppb	ND	20
AFLATOXIN G1	0.180	ppb	ND	20
AFLATOXIN B2	0.0904	ppb	ND	20
AFLATOXIN B1	1.327	ppb	ND	20
OCHRATOXIN A+	0.0491	ppb	ND	20
AFLATOXINS		ppb	0.000	20

Analysis Method -SOP-060 (R5)
Analytical Batch -DE001829MYC **| Reviewed On -** 05/04/21 13:05:03
Instrument Used : Sciex 6500 Qtrap - Mycotoxins
Running On :
Batch Date : 04/30/21 12:06:10

Analyzed by	Weight	Extraction date	Extracted By
7	0.1417g	05/01/21 12:05:13	7

Aflatoxins B1, B2, G1, G2, and Ochratoxin A testing using LC-MS via SOP-060 (R5). Total Aflatoxins (Aflatoxin B1, B2, G1, G2) must be < 20µg/Kg. Ochratoxins must be < 5µg/Kg.

Heavy Metals — PASSED

Reagent	Reagent	Dilution	Consums. ID
042321.01	050321.01	50	018C4-018D
042621.R05			040CB-040D
042621.R04			12104-042CC-042
071620.05			923C4-923AK
041521.R06			
043021.R08			

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC	0.0020	ppm	ND	0.2
CADMIUM	0.0016	ppm	ND	0.2
MERCURY	0.0035	ppm	ND	0.1
LEAD	0.0101	ppm	ND	0.5

Analyzed by	Weight	Extraction date	Extracted By
7	0.2164g	05/03/21 04:05:16	666

Analysis Method -SOP-050 (R5)
Analytical Batch -DE001832HEA **| Reviewed On -** 05/04/21 09:27:29
Instrument Used : Shimadzu 2030 ICP-MS
Running On : 05/03/21 16:44:06
Batch Date : 05/03/21 09:15:17

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

05/05/21
Signed On