2444 NE 1st Blvd Suite 700
Gainesville, FL, 32609, USA

Kaycha Labs

176 Bulk CBD Isolate
N/A
Matrix: Derivative

Certificate of Analysis

Sample:GA00910003-001
Harvest/Lot ID: 176
Seed to Sale #N/A
Batch Date :N/A
Batch#: I0001/2
Sample Size Received: 15 gram
Retail Product Size: 15
Ordered : 09/08/20
Sampled : 09/08/20
Completed: 09/15/20 Expires: 09/15/21
Sampling Method: SOP Client Method

Sep 15, 2020 | Beak & Skiff Research

4473 us rt 20
lafayette, NY, 13084, US

PASSED

PRODUCT IMAGE **SAFETY RESULTS** **MISC.**

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

CANNABINOID RESULTS

Total THC
0.000%

Total CBD
98.021%

Total Cannabinoids
98.172%

	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	D9-THC	D8-THC	CBC	THCA
	0.151%	ND	ND	ND	98.021 %	ND	ND	ND	ND	ND	ND
	1.510 mg/g	ND	ND	ND	980.210 mg/g	ND	ND	ND	ND	ND	ND
LOD	0.001 %	0.001 %	0.001 %	0.001 %	0.0001 %	0.001 %	0.001 %	0.0001 %	0.001 %	0.001 %	0.001 %

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
1541	0.1037g	09/11/20 10:09:46	1790

Analysis Method -SOP.T.40.020, SOP.T.30.050 **Reviewed On -** 09/14/20 12:32:14
Analytical Batch -GA015595POT **Instrument Used :** GA-HPLC-001 2030C Plus **Batch Date :** 09/11/20 09:35:04

Reagent	Dilution	Consums. ID
071420.19	40	280630187
031020.14		VAV-09-1020 Lot# 947.077
090220.R17		6970145500298
090420.R19		190624060
		16466-042

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-UV). (Method: SOP.T.30.050 for sample prep and Shimadzu High Sensitivity Method SOP.T.40.020 for analysis. LOQ for all cannabinoids is 1 mg/L).

Filth PASSED

Analyzed By	Weight	Extraction date	LOD(ppm)	Extracted By
1791	16.0g	09/10/20		1791

Analysis Method -SOP.T.40.013 **Batch Date :** 09/10/20 12:08:44
Analytical Batch -GA015554FIL **Reviewed On -** 09/10/20 14:33:26
Instrument Used : GA-Filth/Foreign Material Microscope

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An SH-2B/T Stereo Microscope is use for inspection.

Jeremy Campbell
Lab Director

State License # CMTL-0001
ISO Accreditation # 97164

Signature

09/15/2020
Signed On

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Kaycha Labs
176 Bulk CBD Isolate
N/A
Matrix : Derivative

Certificate of Analysis

PASSED

Beak & Skiff Research

4473 us rt 20
lafayette, NY, 13084, US
Telephone: 3153500109
Email: hayley@beakandskiff.com

Sample : GA00910003-001
Harvest/LOT ID: 176
Batch# : I0001/2
Sampled : 09/08/20
Ordered : 09/08/20

Sample Size Received : 15 gram
Completed : 09/15/20 **Expires:** 09/15/21
Sample Method : SOP Client Method

Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Result
ABAMECTIN B1A	0.01	ppm	0.3	ND
ACEPHATE	0.01	ppm	3	ND
ACEQUINOCYL	0.01	ppm	2	ND
ACETAMIPRID	0.01	ppm	3	ND
ALDICARB	0.01	ppm	0.1	ND
AZOXYSTROBIN	0.01	ppm	3	ND
BIFENAZATE	0.01	ppm	3	ND
BIFENTHRIN	0.01	ppm	0.5	ND
BOSCALID	0.01	PPM	3	ND
CARBARYL	0.05	ppm	0.5	ND
CARBOFURAN	0.01	ppm	0.1	ND
CHLORANTRANILIPROLE	0.1	ppm	3	ND
CHLORMEQUAT CHLORIDE	0.1	ppm	3	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND
CLOFENTEZINE	0.02	ppm	0.5	ND
COUMAPHOS	0.01	ppm	0.1	ND
DAMINOZIDE	0.01	ppm	0.1	ND
DIAZANON	0.01	ppm	0.2	ND
DICHLORVOS	0.01	ppm	0.1	ND
DIMETHOATE	0.01	ppm	0.1	ND
DIMETHOMORPH	0.02	ppm	3	ND
ETHOPROPHOS	0.01	ppm	0.1	ND
ETOFENPROX	0.01	ppm	0.1	ND
ETOXAZOLE	0.01	ppm	1.5	ND
FENHEXAMID	0.01	ppm	3	ND
FENOXYCARB	0.01	ppm	0.1	ND
FENPYROXIMATE	0.01	ppm	2	ND
FIPRONIL	0.01	ppm	0.1	ND
FLONICAMID	0.01	ppm	2	ND
FLUDIOXONIL	0.01	ppm	3	ND
HEXYTHIAZOX	0.01	ppm	2	ND
IMAZALIL	0.01	ppm	0.1	ND
IMIDACLOPRID	0.04	ppm	3	ND
KRESOXIM-METHYL	0.01	ppm	1	ND
MALATHION	0.02	ppm	2	ND
METALAXYL	0.01	ppm	3	ND
METHIOCARB	0.01	ppm	0.1	ND
METHOMYL	0.01	ppm	0.1	ND
MEVINPHOS	0.01	ppm	0.1	ND
MYCLOBUTANIL	0.01	ppm	3	ND
NALED	0.025	ppm	0.5	ND
OXAMYL	0.05	ppm	0.5	ND
PACLOBUTRAZOL	0.01	ppm	0.1	ND
PHOSMET	0.01	ppm	0.2	ND
PIPERONYL BUTOXIDE	0.1	ppm	3	ND
PRALLETHRIN	0.01	ppm	0.4	ND

Pesticides	LOD	Units	Action Level	Result
PROPICONAZOLE	0.01	ppm	1	ND
PROPOXUR	0.01	ppm	0.1	ND
PYRETHRINS	0.05	ppm	1	ND
PYRIDABEN	0.02	ppm	3	ND
SPINETORAM	0.02	PPM	3	ND
SPIROMESIFEN	0.01	ppm	3	ND
SPIROTETRAMAT	0.01	ppm	3	ND
SPIROXAMINE	0.01	ppm	0.1	ND
TEBUCONAZOLE	0.01	ppm	1	ND
THIACLOPRID	0.01	ppm	0.1	ND
THIAMETHOXAM	0.05	ppm	1	ND
TOTAL CONTAMINANT LOAD (PESTICIDES)	0	PPM	20	ND
TOTAL PERMETHRIN	0.01	ppm	1	ND
TOTAL SPINOSAD	0.01	ppm	3	ND
TRIFLOXYSTROBIN	0.01	ppm	3	ND
CHLORDANE *	0.01	PPM	0.1	ND
PENTACHLORONITROBENZENE (PCNB) *	0.01	PPM	0.2	ND
PARATHION-METHYL *	0.01	PPM	0.1	ND
CAPTAN *	0.025	PPM	3	ND
CHLORFENAPYR *	0.01	PPM	0.1	ND
CYFLUTHRIN *	0.01	PPM	1	ND
CYPERMETHRIN *	0.01	PPM	1	ND

Pesticides — PASSED

Analyzed by
585 , 1541

Weight
1.0155g

Extraction date
09/10/20 04:09:03

Extracted By
1850 , 1541

Analysis Method - SOP.T.30.065, SOP.T.40.065 , SOP.T.30.065, SOP.T40.070
Analytical Batch - GA015563PES , GA015587VOL **Reviewed On-** 09/10/20 14:33:26
Instrument Used : DA-LCMS-001_DER (PES) , GA-GCMS-003 Triple Quad Pest
Batch Date : 09/10/20 14:40:19

Reagent	Dilution	Consums. ID
090320.R03	10	282066106 6970145500298 VAV-09-1020 (947.077) / ALK-09-1412 (9291.179) P734631 / P7411895 VAV-09-1020 Lot# 947.077

Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 67 Pesticides. (Method: SOP.T.30.060 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.065 Procedure for Pesticide Quantification Using LCMS). * Volatile Pesticide screening is performed using GC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Analytes marked with an asterisk were tested using GC-MS.

Jeremy Campbell
Lab Director

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ISO Accreditation # 97164

Signature

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Kaycha Labs
176 Bulk CBD Isolate
N/A
Matrix : Derivative

Certificate of Analysis

PASSED

Beak & Skiff Research

4473 us rt 20
lafayette, NY, 13084, US
Telephone: 3153500109
Email: hayley@beakandskiff.com

Sample : GA00910003-001
Harvest/LOT ID: 176
Batch# : I0001/2
Sampled : 09/08/20
Ordered : 09/08/20

Sample Size Received : 15 gram
Completed : 09/15/20 **Expires:** 09/15/21
Sample Method : SOP Client Method

Residual Solvents — PASSED

Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
PROPANE	500	ppm	5000	PASS	ND
BUTANES (N-BUTANE)	500	ppm	5000	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
METHANOL	25	ppm	250	PASS	<125.000
ETHANOL	500	ppm	5000	PASS	ND
PENTANES (N-PENTANE)	75	ppm	750	PASS	ND
ETHYL ETHER	50	ppm	500	PASS	ND
ACETONE	75	ppm	750	PASS	ND
2-PROPANOL	50	ppm	500	PASS	ND
ACETONITRILE	6	ppm	60	PASS	ND
DICHLOROMETHANE	12.5	ppm	125	PASS	ND
N-HEXANE	25	ppm	250	PASS	ND
ETHYL ACETATE	40	ppm	400	PASS	ND
BENZENE	0.1	ppm	1	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
TOLUENE	15	ppm	150	PASS	ND
TOTAL XYLENES	15	ppm	150	PASS	ND
CHLOROFORM	0.2	ppm	2	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	2	PASS	ND
1,1-DICHLOROETHENE	0.8	ppm	8	PASS	ND
TRICHLOROETHYLENE	2.5	ppm	25	PASS	ND

Residual Solvents — PASSED

Analyzed by	Weight	Extraction date	Extracted By
508	.0231g	09/11/20 03:09:11	508

Analysis Method - SOP.T.40.032
Analytical Batch - GA015561SOL **Reviewed On -** 09/14/20 13:48:38
Instrument Used : GA-GCMS-001 Headspace Solvent
Batch Date : 09/10/20 14:35:27

Reagent	Dilution	Consums. ID
		24154107 ach-20-1720

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 21 Residual solvents.(Method: SOP.T.40.032 Residual Solvents Analysis via GC-MS).

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Kaycha Labs
176 Bulk CBD Isolate
N/A
Matrix : Derivative

Certificate of Analysis

PASSED

Beak & Skiff Research

4473 us rt 20
lafayette, NY, 13084, US
Telephone: 3153500109
Email: hayley@beakandskiff.com

Sample : GA00910003-001
Harvest/LOT ID: 176
Batch# : I0001/2
Sampled : 09/08/20
Ordered : 09/08/20

Sample Size Received : 15 gram
Completed : 09/15/20 **Expires:** 09/15/21
Sample Method : SOP Client Method

Microbials — PASSED

Analyte	LOD	Result
ASPERGILLUS_FLAVUS		not present in 1 gram.
ASPERGILLUS_FUMIGATUS		not present in 1 gram.
ASPERGILLUS_NIGER		not present in 1 gram.
ASPERGILLUS_TERREUS		not present in 1 gram.
ESCHERICHIA_COLI_SHIGELLA_SPP		not present in 1 gram.
SALMONELLA_SPECIFIC_GENE		not present in 1 gram.

Analysis Method -SOP.T.40.043 / SOP.T.40.044
Analytical Batch -GA015649MIC **Batch Date :** 09/14/20
Instrument Used : GA-093 PathogenDx Scanner
Running On :

Analyzed by	Weight	Extraction date	Extracted By
1828	0.9733g	09/15/20	1748

Dilution

10

Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) method consisting of sample DNA amplified via tandem Polymerase Chain Reaction (PCR) as a crude lysate which avoids purification. (Method SOP.T.40.043) If a pathogenic Escherichia Coli, Salmonella, Aspergillus fumigatus, Aspergillus flavus, Aspergillus niger, or Aspergillus terreus 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	0.002	ppm	ND	0.02
AFLATOXIN G1	0.002	ppm	ND	0.02
AFLATOXIN B2	0.002	ppm	ND	0.02
AFLATOXIN B1	0.002	ppm	ND	0.02
OCHRATOXIN A+	0.002	ppm	ND	0.02

Analysis Method -SOP.T.30.065, SOP.T.40.065
Analytical Batch -GA015566MYC | **Reviewed On -** 09/14/20 15:21:18
Instrument Used : DA-LCMS-001_DER (MYC)
Running On :
Batch Date : 09/10/20 17:09:54

Analyzed by	Weight	Extraction date	Extracted By
585	1.0155g	09/11/20 12:09:36	1850

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.065 for Sample Preparation and SOP.T40.065 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0 ppb). Aflatoxin B1, B2, G1, and G2 must individually be <20ug/Kg. Ochratoxins must be <20µg/Kg.

Heavy Metals — PASSED

Reagent	Reagent	Dilution	Consums. ID
041420.13	091020.R03	50	190624060
101719.R07	090820.R01		106667-05-100719
082020.R21			
110519.12			
081420.12			
063020.R14			

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC	0.02	PPM	ND	1.5
CADMIUM	0.02	PPM	ND	0.5
MERCURY	0.02	PPM	ND	3
LEAD	0.05	PPM	ND	0.5

Analyzed by	Weight	Extraction date	Extracted By
650	0.5056g	09/11/20 10:09:13	1791

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -GA015588HEA | **Reviewed On -** 09/14/20 15:03:19
Instrument Used : GA-ICPMS-001-DER
Running On :
Batch Date : 09/11/20 08:48:31

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 using Method SOP.T.30.052 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.050 Heavy Metals Analysis via ICP-MS.

Jeremy Campbell
Lab Director
State License # CMTL-0001
ISO Accreditation # 97164

Signature

09/15/2020
Signed On