4131 SW 47th AVENUE SUITE 1408
DAVIE, FL, 33314, USA

Kaycha Labs

Casper's Farm CBD Oil
N/A
Matrix: Derivative

Certificate of Analysis

Sample:DA00623019-001
Harvest/Lot ID: 6-11-20
Seed to Sale #N/A
Batch Date :N/A
Batch#: 6-11-20
Sample Size Received: 60 ml
Retail Product Size: 60
Ordered : 06/16/20
Sampled : 06/16/20
Completed: 07/01/20 Expires: 07/01/21
Sampling Method: SOP Client Method

Jul 01, 2020 | Nowave

350 Buell Road
Rochester, NY, 14624, United States

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
0.208%
THC/Container :119.808 mg

Total CBD
5.074%
CBD/Container :2922.732 mg

Total Cannabinoids
5.635%
Total Cannabinoids/Container :3245.760 mg

	CBC	CBGA	CBG	THCV	D8-THC	CBDV	CBN	CBDA	CBD	D9-THC	THCA
	0.244%	ND	0.074%	ND	ND	0.031%	ND	0.031%	5.047%	0.208%	ND
	2.440 mg/g	ND	0.740 mg/g	ND	ND	0.310 mg/g	ND	0.310 mg/g	50.470 mg/g	2.080 mg/g	ND
LOD	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.0001 %	0.0001 %	0.001 %

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
450	3.2396g	06/23/20 12:06:28	574

Analysis Method -SOP.T.40.020, SOP.T.30.050 **Reviewed On -** 06/25/20 10:57:08
Analytical Batch -DA013366POT **Instrument Used :** DA-LC-003 **Batch Date :** 06/23/20 10:41:03

Reagent	Dilution	Consums. ID
061220.16	400	280670723
042120.29		918C4-918J
031820.R16		914C4-914AK
062420.R03		929C6-929H
062420.R02		76262-590

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
457	NA	NA		NA

Analysis Method -SOP.T.40.013 **Batch Date :** 06/24/20 09:18:45
Analytical Batch -DA013390FIL **Reviewed On -** 06/26/20 11:19:58
Instrument Used : 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.

Jorge Segredo
Lab Director
State License # CMTL-0002
ISO Accreditation # 97164

Signature

07/01/2020
Signed On

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N/A
Matrix : Derivative

Certificate of Analysis

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Nowave

350 Buell Road
Rochester, NY, 14624, United States
Telephone: 3154066767
Email: sales@nowave.com

Sample : DA00623019-001
Harvest/LOT ID: 6-11-20
Batch# : 6-11-20
Sampled : 06/16/20
Ordered : 06/16/20
Sample Size Received : 60 ml
Completed : 07/01/20 **Expires:** 07/01/21
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	0.05	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
METHYL PARATHION	0.005	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

Pesticides	LOD	Units	Action Level	Result
PRALLETHRIN	0.01	ppm	0.4	ND
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

Pesticides — PASSED

Analyzed by 585
Weight 1.0246g
Extraction date 06/26/20 03:06:34
Extracted By 1082

Analysis Method - SOP.T.30.065, SOP.T.40.065 , SOP.T.30.065, SOP.T40.070
Analytical Batch - DA013452PES
Reviewed On- 06/26/20 11:19:58
Instrument Used : DA-LCMS-001_DER (PES)
Batch Date : 06/25/20 11:37:13

Reagent	Dilution	Consums. ID
062420.R01 062320.R20 061920.R19 041720.03 050820.01	10	280678841 76262-590

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.

Jorge Segredo
Lab Director
State License # CMTL-0002
ISO Accreditation # 97164

Signature

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Kaycha Labs

Casper's Farm CBD Oil
N/A
Matrix : Derivative

Certificate of Analysis

PASSED

Nowave

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Telephone: 3154066767
Email: sales@nowave.com

Sample : DA00623019-001
Harvest/LOT ID: 6-11-20
Batch# : 6-11-20
Sampled : 06/16/20
Ordered : 06/16/20
Sample Size Received : 60 ml
Completed : 07/01/20 **Expires:** 07/01/21
Sample Method : SOP Client Method

Residual Solvents — PASSED

Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
1,1-DICHLOROETHENE	0.8	ppm	8	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	2	PASS	ND
2-PROPANOL	50	ppm	500	PASS	ND
ACETONE	75	ppm	750	PASS	ND
ACETONITRILE	6	ppm	60	PASS	ND
BENZENE	0.1	ppm	1	PASS	ND
BUTANES (N-BUTANE)	500	ppm	5000	PASS	ND
CHLOROFORM	0.2	ppm	2	PASS	ND
DICHLOROMETHANE	12.5	ppm	125	PASS	ND
ETHANOL	500	ppm	5000	PASS	4100.701
ETHYL ACETATE	40	ppm	400	PASS	ND
ETHYL ETHER	50	ppm	500	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
METHANOL	25	ppm	250	PASS	ND
N-HEXANE	25	ppm	250	PASS	ND
PENTANES (N-PENTANE)	75	ppm	750	PASS	ND
PROPANE	500	ppm	5000	PASS	ND
TOLUENE	15	ppm	150	PASS	ND
TOTAL XYLENES	15	ppm	150	PASS	ND
TRICHLOROETHYLENE	2.5	ppm	25	PASS	ND

Residual Solvents — PASSED

Analyzed by	Weight	Extraction date	Extracted By
850	0.0268g	06/29/20 03:06:58	850

Analysis Method - SOP.T.40.032
Analytical Batch - DA013490SOL
Reviewed On - 07/01/20 14:33:31
Instrument Used : DA-GCMS-002
Batch Date : 06/26/20 16:04:19

Reagent	Dilution	Consums. ID
	1	H2017.077 00279984 161291-1

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.30.032 Residual Solvents Analysis via GC-MS).

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Casper's Farm CBD Oil
N/A
Matrix : Derivative

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Nowave

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Sample : DA00623019-001
Harvest/LOT ID: 6-11-20
Batch# : 6-11-20
Sampled : 06/16/20
Ordered : 06/16/20
Sample Size Received : 60 ml
Completed : 07/01/20 **Expires:** 07/01/21
Sample Method : SOP Client Method

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 -DA013453MYC | **Reviewed On -** 06/29/20 16:32:22
Instrument Used : DA-LCMS-001_DER (MYC)
Batch Date : 06/25/20 11:38:18

Analyzed by	Weight	Extraction date	Extracted By
585	NA	06/26/20 03:06:48	585

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.

Reagent
052720.52
052720.267
052720.72
052720.208
052720.166
052720.102
052720.231
042920.179
052720.148
052720.108
052720.126
052720.141
052720.149
052720.225
052720.242

Reagent
061920.39
052720.252

Consums. ID
918C4-918J
914C4-914AK
50AX30819
19323
25219065
190827060
850C6-850H

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.

Microbials — PASSED

Analyte	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.40.045
Analytical Batch -DA013480MIC | **Reviewed On -** 06/30/20 16:39:31
Instrument Used : PathogenDX PCR_Array Scanner DA-111,PathogenDX PCR_DA-010
Batch Date : 06/26/20 12:52:01

Analyzed by	Weight	Extraction date	Extracted By
513	0.9795g	06/26/20 12:06:49	1082

Reagent	Dilution	Consums. ID
052620.16		181019-274
101519.12		SG298A

Heavy Metals — PASSED

Reagent	Reagent	Dilution	Consums. ID
062520.R01	062320.R01	100	89401-566
030920.02	062320.R02		
062220.R02	062320.R03		
061220.R02	062520.R02		
062220.R04			
062320.R04			

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

Analyzed by	Weight	Extraction date	Extracted By
53	0.2452g	06/26/20 10:06:15	457

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -DA013457HEA | **Reviewed On -** 06/29/20 08:07:44
Instrument Used : DA-ICPMS-002
Batch Date : 06/25/20 12:22:00

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.

Jorge Segredo
Lab Director
State License # CMTL-0002
ISO Accreditation # 97164

Signature

07/01/2020
Signed On