

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

Certificate of Analysis

Jul 07, 2020 | Empire Standard LLC

Binghamton, NY, 13904, United States



Kaycha Labs

Mint CBD O Matrix: Derivative



Sample: DA00629016-001 Harvest/Lot ID: 20171001

> Seed to Sale #N/A Batch Date : N/A Batch#: 20171001

Sample Size Received: 30 ml

Retail Product Size: 30 Ordered: 06/22/20

Sampled: 06/22/20

Completed: 07/07/20 Expires: 07/07/21 Sampling Method: SOP Client Method

PASSED

Page 1 of 4

PRODUCT IMAGE

SAFETY RESULTS





Pesticides **PASSED**



Heavy Metals **PASSED**



Microbials **PASSED**



Mycotoxins

PASSED

Residuals Solvents PASSED



Filth **PASSED**



Water Activity **NOT TESTED**



Moisture **NOT TESTED**



MISC.

Terpenes **NOT TESTED**

CANNABINOID RESULTS



Total THC THC/Container : 6.624 mg



Total CBD CBD/Container: 275.328 mg



Total Cannabinoids

Total Cannabinoids/Container :312.480 mg

	СВС	CBGA	CBG	THCV	D8-THC	CBDV	CBN	CBDA	CBD	D9-THC	THCA	
	0.096%	ND	0.010%	ND	ND	ND	ND	ND	0.956%	0.023%	ND	
	0.960 mg/g	ND	0.100 mg/g	ND	ND	ND	ND	ND	9.560 mg/g	0.230 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	
	%	%	%	%	%	%	%	%	%	%	%	



PASSED

Weight Extraction date LOD(ppm) Extracted By 1g NA

Analysis Method -SOP.T.40.013 Batch Date: 06/29/20 14:12:41 Analytical Batch -DA013525FIL Reviewed On - 06/29/20 14:14:40 Instrument Used: Filth/Foreign Material Microscope

Cannabinoid Profile Test

Extraction date : 3.0236q 06/29/20 12:06:33

Analysis Method -SOP.T.40.020, SOP.T.30.050 Analytical Batch -DA013514POT Instrument Used : DA-LC-003

Batch Date: 06/29/20 09:39:19

Reviewed On - 07/01/20 12:29:06

Reagent Dilution Consums. ID 032320.30 280678841 918C4-918J 914C4-9144K

0052920.R24

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)

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Jorge Segredo

Lab Director

State License # CMTL-0002 ISO Accreditation # 97164



07/07/2020

Signed On Signature



DAVIE, FL, 33314, USA

Kaycha Labs

Matrix: Derivative



Certificate of Analysis

PASSED

Empire Standard LLC

29 Industrial Park Dr.

Binghamton , NY, 13904, United States

Telephone: 6077617126

Email: james@empire-standard.com

Sample: DA00629016-001 Harvest/LOT ID: 20171001

Batch#:20171001

Sampled: 06/22/20

Ordered: 06/22/20

Sample Size Received: 30 ml

Completed: 07/07/20 Expires: 07/07/21 Sample Method: SOP Client Method

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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	0.01	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		0.1	ND
FENDYROXIMATE	0.01	ppm	2	ND
FIPRONIL	0.01	ppm	0.1	ND
FLONICAMID	0.01		2	ND
FLUDIOXONIL	0.01	ppm	3	ND
HEXYTHIAZOX	0.01	ppm	2	ND
IMAZALIL	0.01	ppm	0.1	ND
IMIDACLOPRID	0.01	ppm	3	ND
KRESOXIM-METHYL	0.04	ppm	1	ND
MALATHION	0.01	ppm	2	ND
METALAXYL	0.02	ppm	3	ND
METALAXYL		ppm		
METHIOCARB	0.01	ppm	0.1	ND ND
	0.01	ppm	0.1	
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
CHLORDANE *	0.01	PPM	0.1	ND
PENTACHLORONITROBENZEN (PCNB) *	E 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

E O Analyzed by **Extraction date** Weight

Pesticides

Extracted By 1082, 1665

PASSED

585 , 1665 1.0332g 06/29/20 12:06:13 Analysis Method - SOP.T.30.065, SOP.T.40.065 , SOP.T.30.065, SOP.T40.070 Analytical Batch - DA013513PES , DA013663VOL

Reviewed On- 06/29/20 14:14:40

Instrument Used: DA-LCMS-001_DER (PES), DA-GCMS-001

Batch Date: 06/29/20 09:36:34

Dilution Consums. ID

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

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Jorge Segredo

Lab Director

State License # CMTL-0002 ISO Accreditation # 97164



07/07/2020

Signature

Signed On



DAVIE, FL, 33314, USA

Kaycha Labs

Matrix: Derivative

PASSED

Certificate of Analysis

Empire Standard LLC

29 Industrial Park Dr.

Binghamton , NY, 13904, United States

Telephone: 6077617126

Email: james@empire-standard.com

Sample: DA00629016-001 Harvest/LOT ID: 20171001

Batch#:20171001

Sampled: 06/22/20

Ordered: 06/22/20

Sample Size Received: 30 ml

Completed: 07/07/20 Expires: 07/07/21 Sample Method: SOP Client Method

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Residual Solvents

PASSED



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	ND
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

	49		
Analyzed by	Weight	Extraction date	Extracted By

0.0300a 06/30/20 03:06:59 850 850 Analysis Method -SOP.T.40.032 Analytical Batch - DA013564SOL Reviewed On - 07/03/20 16:01:25

Instrument Used: DA-GCMS-002 Batch Date: 06/30/20 14:53:38

Reagent **Dilution** Consums, ID H2017 077 00279984 161291

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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Jorge Segredo Lab Director

State License # CMTL-0002 ISO Accreditation # 97164



07/07/2020

Signature

Signed On



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

Kaycha Labs

Matrix : Derivative

Reagent

061920.19

061920 21

052720.233

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



Certificate of Analysis

Empire Standard LLC

29 Industrial Park Dr.

Binghamton, NY, 13904, United States

Telephone: 6077617126

Email: james@empire-standard.com

Sample : DA00629016-001 Harvest/LOT ID: 20171001

PASSED

PASSED

Result

not present in 1 gram

not present in 1 gram.

not present in 1 gram.

not present in 1 gram

not present in 1 gram.

not present in 1 gram

Batch#:20171001

Sampled: 06/22/20 Ordered: 06/22/20

Sample Size Received: 30 ml

Completed: 07/07/20 Expires: 07/07/21 Sample Method: SOP Client Method

PASSED

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Consums, ID

918C4-918I

914C4-914AK

929C6-929H

50AX30819

25219065

190827060

19323

÷;	Mycotoxins	

Analyte	LOD	Units	Result	Action Level (PPI
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 -DA013515MYC | Reviewed On - 06/30/20 11:50:59

Instrument Used: DA-LCMS-001 DER (MYC)

Batch Date: 06/29/20 09:41:47

Analyzed by	Weight	Extraction date	Extracted By
585	1g	06/29/20 04:06:12	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.

Analyzed by

Reagent

052720.57

052720 262

052720.72

052720.188

052720.208

052720.148

052720 149

052720.166 052720.167 052720.102 052720.124 052720.140 052720.20

052720.21

061920.38

Heavy Metals

detected in 1g of a sample, the sample fails the microbiological-impurity testing.

PASSED

Extracted By

1022

Đ.	Microbials

Analyte ASPERGILLUS FLAVUS ASPERGILLUS FUMIGATUS ASPERGILLUS_NIGER ASPERGILLUS TERREUS

ESCHERICHIA_COLI_SHIGELLA_SPP SALMONELLA SPECIFIC GENE

Analysis Method -SOP.T.40.043 / SOP.T.40.045

Analytical Batch -DA013508MIC | Reviewed On - 07/02/20 18:11:11 Instrument Used: PathogenDX PCR_Array Scanner DA-111

Batch Date: 06/29/20 08:41:47

Analyzed by	Weight	Extraction date	Extracted By
513	1.0336g	06/29/20 12:06:17	1082

Reagent 101519.12 052620.18 Dilution

181019-274

Consums. ID

Reagent Reage		Reagent Dilution		n Consums. ID	
062920.R01		062920.R02		100	106557-04-091619
030920.02		062320	.R02		
062920.R03		062320	.R03		
061220.R02		062520	.R02		
· 062920.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

0.2536g Analysis Method -SOP.T.40.050, SOP.T.30.052

Weight

Analytical Batch -DA013507HEA | Reviewed On - 06/30/20 09:01:22

Instrument Used: DA-ICPMS-002 Batch Date: 06/29/20 08:39:17

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.

Extraction date

06/29/20 02:06:36

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