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

Kaycha Labs
Tiva - 001
N/A
Matrix: Edible

Certificate of Analysis

Sample:DA00820008-001
Harvest/Lot ID: 2020 - 001
Seed to Sale #N/A
Batch Date :N/A
Batch#: Tiva 2020 - 001
Sample Size Received: 15 ml
Total Weight/Volume: N/A
Retail Product Size: 30 gram
Ordered : 07/30/20
sampled : 07/30/20
Completed: 08/27/20
Sampling Method: SOP Client Method

Aug 27, 2020 | Tiva Naturals

2506 Parker Rd
Palmyra, NY, 14522, United States

TIVA

PASSED

PRODUCT IMAGE

SAFETY RESULTS

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

MISC.

Terpenes
TESTED

CANNABINOID RESULTS

Total THC
0.144%
THC/Container :41.472 mg

Total CBD
4.900%
CBD/Container :1411.201 mg

Total Cannabinoids
5.408%
Total Cannabinoids/Container :1557.504 mg

	CBC	CBD	CBDA	CBDV	CBG	CBGA	CBN	D8-THC	D9-THC	THCA	THCV	TOTAL CA	TOTAL CB	TOTAL TH
%	0.2610	4.8430	0.0650	0.0340	0.0610	ND	<0.010	ND	0.1440	ND	ND	5.4080	4.9000	0.1440
mg/g	2.6100	48.4300	0.6500	0.3400	0.6100	ND	<0.010	ND	1.4400	ND	ND	54.0800	49.0000	1.4400
LOD	0.0010 %	0.0001 %	0.0010 %	0.0010 %	0.0010 %	0.0010 %	0.0010 %	0.0010 %	0.0001 %	0.0010 %	0.0010 %	0.0000	0.0010	0.0010

Cannabinoid Profile Test

Analyzed by 450 | **Weight** 3.0107g | **Extraction date :** 08/20/20 11:08:53 | **Extracted By :** 965
Analysis Method -SOP.T.40.020, SOP.T.30.050 | **Reviewed On -** 08/21/20 17:06:13 | **Batch Date :** 08/20/20 10:45:44
Analytical Batch -DA014953POT | **Instrument Used :** DA-LC-003

Reagent	Dilution	Consums. ID
032320.28	400	280678841
081920.R05		918C4-918J
081920.R04		914C4-914AK
		929C6-929H

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	Extracted By
457	1g	NA	NA

Analyte	LOD	Result
Filth and Foreign Material	0	ND

Analysis Method -SOP.T.40.013 **Batch Date :** 08/18/20 13:08:39
Analytical Batch -DA014878FIL **Reviewed On -** 08/20/20 11:45:40
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 # ISO/IEC 17025:2017 Accreditation PJLA-Testing 97164

Signature

08/27/20
Signed On

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DAVIE, FL, 33314, US

Kaycha Labs
Tiva - 001
N/A
Matrix : Edible

Certificate of Analysis

PASSED

2506 Parker Rd
Palmyra, NY, 14522, United States
Telephone: 5852785773
Email: svandewalle24@gmail.com

Sample : DA00820008-001
Harvest/LOT ID: 2020 - 001
Batch# : Tiva 2020 - 001 **Sample Size Received :** 15 ml
Sampled : 07/30/20 **Total Weight/Volume :** N/A
Ordered : 07/30/20 **Completed :** 08/27/20 **Expires:** 08/27/21
Sample Method : SOP Client Method

Terpenes

TESTED

Terpenes	LOD(%)	mg/g	%	Result (%)
ALPHA-CEDRENE	0.007	ND	ND	
ALPHA-HUMULENE	0.007	0.226	0.022	
ALPHA-PINENE	0.007	ND	ND	
ALPHA-TERPINENE	0.007	ND	ND	
BETA-MYRCENE	0.007	0.666	0.066	
BETA-PINENE	0.007	ND	ND	
BORNEOL	0.013	ND	ND	
CAMPHENE	0.007	ND	ND	
CAMPHOR	0.013	ND	ND	
CARYOPHYLLENE OXIDE	0.007	< 0.2	< 0.020	
CEDROL	0.007	ND	ND	
ALPHA-BISABOLOL	0.007	0.434	0.043	
SABINENE	0.007	ND	ND	
SABINENE HYDRATE	0.007	ND	ND	
TERPINEOL	0.007	ND	ND	
TERPINOLENE	0.007	ND	ND	
BETA-CARYOPHYLLENE	0.007	0.547	0.054	
TRANS-NEROLIDOL	0.007	ND	ND	
VALENCENE	0.007	< 0.2	< 0.020	
PULEGONE	0.007	ND	ND	
ALPHA-PHELLANDRENE	0.007	ND	ND	
OCIMENE	0.007	ND	ND	
NEROL	0.007	ND	ND	
LINALOOL	0.007	ND	ND	
LIMONENE	0.007	ND	ND	
GUAIOL	0.007	< 0.2	< 0.020	
GERANYL ACETATE	0.007	ND	ND	
GERANIOL	0.007	ND	ND	
GAMMA-TERPINENE	0.007	ND	ND	
FENCHONE	0.007	ND	ND	
FARNESENE	0.007	0.345	0.034	

Terpenes	LOD(%)	mg/g	%	Result (%)
EUCALYPTOL	0.007	ND	ND	
ISOBORNEOL	0.007	ND	ND	
HEXAHYDROTHYMOL	0.007	ND	ND	
FENCHYL ALCOHOL	0.007	ND	ND	
3-CARENE	0.007	ND	ND	
CIS-NEROLIDOL	0.007	ND	ND	
ISOPULEGOL	0.007	ND	ND	

Total (%) 0.222

Terpenes

TESTED

Analyzed by	Weight	Extraction date	Extracted By
1351	0.9960g	08/20/20 12:08:44	1351

Analysis Method -SOP.T.40.090
Analytical Batch -DA014948TER **Reviewed On - 08/24/20 08:43:52**
Instrument Used : DA-GCMS-005
Running On :
Batch Date : 08/20/20 09:31:27

Reagent	Dilution	Consums. ID
081720.R19	10	280678841
081720.R20		76262-590
073020.R01		
080320.R18		

Terpenoid profile screening is performed using GC-MS with Liquid Injection (Gas Chromatography – Mass Spectrometer) which can screen 38 terpenes using Method SOP.T.40.091 Terpenoid Analysis Via GC/MS.

Jorge Segredo
Lab Director
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ISO Accreditation # ISO/IEC 17025:2017 Accreditation PJLA-Testing 97164

Signature

08/27/20
Signed On

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DAVIE, FL, 33314, US

Kaycha Labs
Tiva - 001
N/A
Matrix : Edible

Certificate of Analysis

PASSED

2506 Parker Rd
Palmyra, NY, 14522, United States
Telephone: 5852785773
Email: svandewalle24@gmail.com

Sample : DA00820008-001
Harvest/LOT ID: 2020 - 001
Batch# : Tiva 2020 - 001 **Sample Size Received :** 15 ml
Sampled : 07/30/20 **Total Weight/Volume :** N/A
Ordered : 07/30/20 **Completed :** 08/27/20 **Expires:** 08/27/21
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
PYRETHRIN I	0.01	ppm	1	ND
PYRETHRIN II	0.01	ppm	1	ND
PYRETHRINS	0.05	ppm	1	ND
PYRIDABEN	0.02	ppm	3	ND
SPINETORAM	0.02	PPM	3	ND
SPINOSAD (SPINOSYN A)	0.01	ppm	3	ND
SPINOSAD (SPINOSYN D)	0.01	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	Weight	Extraction date	Extracted By
585	0.9957g	08/20/20 10:08:38	1082

Analysis Method - SOP.T.30.065, SOP.T.40.065, SOP.T.40.066, SOP.T.40.070 , SOP.T.30.065, SOP.T40.070
Analytical Batch - DA014830PES
Reviewed On- 08/20/20 11:45:40
Instrument Used : DA-LCMS-001_DER (PES)
Running On :
Batch Date : 08/17/20 10:07:01

Reagent	Dilution	Consums. ID
062220.12 070620.02 081820.R21 081820.R22 082020.R17	10	280678841 76262-590

Pesticide screen is performed using LC-MS and/or GC-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 GCMSMS. SOP.T40.065/SOP.T.40.066/SOP.T.40.070 Procedure for Pesticide Quantification Using LCMS and GCMS). * 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 # ISO/IEC 17025:2017 Accreditation PJLA-Testing 97164

Signature

08/27/20
Signed On

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

Kaycha Labs
Tiva - 001
N/A
Matrix : Edible

Certificate of Analysis

PASSED

Sample : DA00820008-001
Harvest/LOT ID: 2020 - 001

2506 Parker Rd
Palmyra, NY, 14522, United States
Telephone: 5852785773
Email: svandewalle24@gmail.com

Batch# : Tiva 2020 - 001 **Sample Size Received :** 15 ml
Sampled : 07/30/20 **Total Weight/Volume :** N/A
Ordered : 07/30/20 **Completed :** 08/27/20 **Expires:** 08/27/21
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	5	PASS	ND
2-PROPANOL	50	ppm	500	PASS	ND
ACETONE	75	ppm	5000	PASS	ND
ACETONITRILE	6	ppm	410	PASS	ND
BENZENE	0.1	ppm	2	PASS	ND
BUTANES (N-BUTANE)	500	ppm	2000	PASS	ND
CHLOROFORM	0.2	ppm	60	PASS	ND
DICHLOROMETHANE	12.5	ppm	600	PASS	ND
ETHANOL	500	ppm	5000	PASS	ND
ETHYL ACETATE	40	ppm	5000	PASS	ND
ETHYL ETHER	50	ppm	5000	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
METHANOL	25	ppm	3000	PASS	ND
N-HEXANE	25	ppm	290	PASS	ND
PENTANES (N-PENTANE)	75	ppm	5000	PASS	ND
PROPANE	500	ppm	2100	PASS	ND
TOLUENE	15	ppm	890	PASS	ND
TOTAL XYLENES	15	ppm	150	PASS	ND
TRICHLOROETHYLENE	2.5	ppm	80	PASS	ND
XYLENES-M (1,3-DIMETHYLBENZENE)	13.5	ppm	2170	PASS	ND
XYLENES-M&P (1,3&1,4-DIMETHYLBENZENE)	27	ppm	2170	PASS	ND
XYLENES-O (1,2-DIMETHYLBENZENE)	13.5	ppm	2170	PASS	ND
XYLENES-P (1,4-DIMETHYLBENZENE)	13.5	ppm	2170	PASS	ND

Residual Solvents — PASSED

Analyzed by	Weight	Extraction date	Extracted By
850	0.0216g	08/21/20 04:08:16	850

Analysis Method - SOP.T.40.032
Analytical Batch - DA014983SOL **Reviewed On -** 08/25/20 17:21:43
Instrument Used : DA-GCMS-002
Running On :
Batch Date : 08/21/20 11:30:16

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.40.032 Residual Solvents Analysis via GC-MS).

Jorge Segredo
Lab Director
State License # CMTL-0002
ISO Accreditation # ISO/IEC 17025:2017 Accreditation PJLA-Testing 97164

Signature

08/27/20
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DAVIE, FL, 33314, US

Kaycha Labs
Tiva - 001
N/A
Matrix : Edible

Certificate of Analysis

PASSED

2506 Parker Rd
Palmyra, NY, 14522, United States
Telephone: 5852785773
Email: svandewalle24@gmail.com

Sample : DA00820008-001
Harvest/LOT ID: 2020 - 001
Batch# : Tiva 2020 - 001
Sampled : 07/30/20
Ordered : 07/30/20
Sample Size Received : 15 ml
Total Weight/Volume : N/A
Completed : 08/27/20 **Expires:** 08/27/21
Sample Method : SOP Client Method

Microbials — PASSED

Analyte	LOD	Result	Action Level (cfu/g)
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 / SOP.T.40.041
Analytical Batch -DA014947MIC Batch Date : 08/20/20
Instrument Used : PathogenDX PCR_Array Scanner DA-111
Running On :

Analyzed by	Weight	Extraction date	Extracted By
513	0.9846g	08/20/20	1082

Reagent	Consums. ID	Consums. ID	Consums. ID	Consums. ID
071020.15	181019-274	50AX30819	A07	2808006
101619.03	SG298A	19423	2807007	2811017
	11989-024CC-024	080717	2809005	
	181207119C	850C6-850H	2810014D	
	918C4-918J	2802019	029	
	914C4-914AK	2803029	2804026	

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. Pour-plating is used for quantitation and confirmation, Total Yeast and Mold has an action limit of 100,000 CFU.

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 -DA014831MYC | Reviewed On - 08/27/20 15:08:21
Instrument Used : DA-LCMS-001_DER (MYC)
Running On :
Batch Date : 08/17/20 10:12:08

Analyzed by	Weight	Extraction date	Extracted By
585	1g	08/20/20 12:08:28	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.

Heavy Metals — PASSED

Reagent	Reagent	Dilution	Consums. ID
081320.R13	081720.R24	100	89401-566
081920.R03	081720.R16		
071320.08	081820.R01		
081720.R03	022520.03		
081820.R15	030420.06		
081820.R14	070120.01		

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	<0.100	3

Analyzed by	Weight	Extraction date	Extracted By
53	0.2549g	08/24/20 11:08:34	1783

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -DA014959HEA | Reviewed On - 08/26/20 12:41:51
Instrument Used : DA-ICPMS-001
Running On :
Batch Date : 08/20/20 14:24:52

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
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ISO Accreditation # ISO/IEC 17025:2017 Accreditation PJLA-Testing 97164

Signature

08/27/20
Signed On