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

Kaycha Labs

Full Spectrum Hemp Extract Salve
N/A
Matrix: Derivative

Certificate of Analysis

Sample:DA01116006-001
Harvest/Lot ID: OB-WS-0246-SLV-2%
Seed to Sale #N/A
Batch Date :09/02/20
Batch#: 315-1-SLV-2%
Sample Size Received: 100 gram
Retail Product Size: 100
Ordered : 11/10/20
Sampled : 11/10/20
Completed: 12/07/20 Expires: 12/07/21
Sampling Method: KP

Dec 07, 2020 | Plant Science Laboratories LLC.

649 Wyoming Ave.
Buffalo, NY, 14215, US

PASSED

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

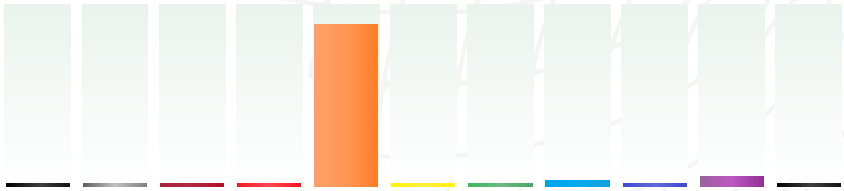
Pesticides	Heavy Metals	Microbials	Mycotoxins	Residuals Solvents	Filth	Water Activity	Moisture	Terpenes
PASSED	PASSED	PASSED	PASSED	PASSED	PASSED	NOT TESTED	NOT TESTED	NOT TESTED

CANNABINOID RESULTS

Total THC
0.090%
THC/Container :90.000 mg

Total CBD
2.517%
CBD/Container :2517.000 mg

Total Cannabinoids
2.812%
Total Cannabinoids/Container :2813.000 mg



	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	D9-THC	D8-THC	CBC	THCA
	0.025%	<0.010	<0.010	0.029%	2.517%	<0.010	<0.010	0.090%	<0.010	0.152%	ND
	0.250 mg/g	<0.010	<0.010	0.290 mg/g	25.170 mg/g	<0.010	<0.010	0.900 mg/g	<0.010	1.520 mg/g	ND
LOD	0.001 %	0.001 %	0.001 %	0.001 %	0.0001 %	0.001 %	0.001 %	0.0001 %	0.001 %	0.001 %	0.001 %

Filth PASSED

Analyzed By	Weight	Extraction date	Extracted By	
457	NA	NA		NA
Analyte			**LOD**	**Result**
Filth and Foreign Material			0.1	ND

Analysis Method -SOP.T.40.013 **Batch Date :** 12/03/20 09:58:17
Analytical Batch -DA019490FIL **Reviewed On -** 12/03/20 10:44:45
Instrument Used : Filth/Foreign Material Microscope
Running On :

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.

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
450	3.1213g	11/16/20 02:11:45	1823

Analysis Method -SOP.T.40.020, SOP.T.30.050 **Reviewed On -** 11/18/20 10:09:55 **Batch Date :** 11/16/20 08:32:18
Analytical Batch -DA018828POT **Instrument Used :** DA-LC-001 **Running On :** 11/17/20 00:58:55

Reagent	Dilution	Consums. ID
112519.02	400	181019-274
111120.R02		280670723
111120.R01		914C4-914AK
040920.10		929C6-929H
		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).

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

Signature

12/07/2020
Signed On

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Sample : DA01116006-001
Harvest/LOT ID: OB-WS-0246-SLV-2%
Batch# : 315-1-SLV-2% **Sample Size Received :** 100 gram
Sampled : 11/10/20 **Completed :** 12/07/20 **Expires:** 12/07/21
Ordered : 11/10/20 **Sample Method :** KP

Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Result
ACEPHATE	0.01	ppm	3	ND
ABAMECTIN B1A	0.01	ppm	0.3	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	0.3	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)	0.5	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 NA , 1665 | **Weight** 0.9137g | **Extraction date** 12/04/20 03:12:55 | **Extracted By** 585 , 1665

Analysis Method - SOP.T.30.065, SOP.T.40.065 , SOP.T.30.065, SOP.T40.070
Analytical Batch - DA019530PES , DA019486VOL **Reviewed On-** 12/03/20 10:44:45
Instrument Used : DA-LCMS-002_DER (PES) , DA-GCMS-001
Running On : 12/04/20 19:09:03 , 12/03/20 16:22:55
Batch Date : 12/04/20 09:38:50

Reagent	Dilution	Consums. ID
	10	287035261 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
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N/A
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Email: Paul@plantsciencelabs.com

Sample : DA01116006-001
Harvest/LOT ID: OB-WS-0246-SLV-2%
Batch# : 315-1-SLV-2% **Sample Size Received :** 100 gram
Sampled : 11/10/20 **Completed :** 12/07/20 **Expires:** 12/07/21
Ordered : 11/10/20 **Sample Method :** KP

Residual Solvents — PASSED

Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
METHANOL	25	ppm	250	PASS	ND
ETHANOL	500	ppm	5000	PASS	3521.870
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	278.430
ACETONITRILE	6	ppm	60	PASS	<30.000
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
PROPANE	500	ppm	5000	PASS	ND
CHLOROFORM	0.2	ppm	2	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	2	PASS	ND
BUTANES (N-BUTANE)	500	ppm	5000	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	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
850	0.0230g	12/03/20 04:12:03	850

Analysis Method - SOP.T.40.032
Analytical Batch - DA019508SOL **Reviewed On -** 12/04/20 15:11:49
Instrument Used : DA-GCMS-003
Running On :
Batch Date : 12/03/20 15:45:05

Reagent	Dilution	Consums. ID
	1	G201.162 R2017.179

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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Sample : DA01116006-001
Harvest/LOT ID: OB-WS-0246-SLV-2%
Batch# : 315-1-SLV-2% **Sample Size Received :** 100 gram
Sampled : 11/10/20 **Completed :** 12/07/20 **Expires:** 12/07/21
Ordered : 11/10/20 **Sample Method :** KP

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 -DA019443MIC Batch Date : 12/02/20
Instrument Used : PathogenDX PCR_Array Scanner DA-111,PathogenDX PCR_DA-013
Running On : 12/03/20

Analyzed by	Weight	Extraction date	Extracted By
513	1.0464g	12/03/20	513

Reagent	Consums. ID	Consums. ID	Consums. ID	Consums. ID
091420.05	181019-274	A11	914C4-914AK	850C6-850H
081820.04	SG298A	A10	031	001001
	2802021	11989-024CC-024	50AX30819	2807008
	2803030	181207119C	20324	2809005
	D006	2810012D	012020	2804028
	D006	918C4-918J	2811019	2808007

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)

Analysis Method -SOP.T.30.065, SOP.T.40.065
Analytical Batch -DA019533MYC
Instrument Used :
Running On : 12/04/20 19:20:41
Batch Date : 12/04/20 09:54:28

Analyzed by	Weight	Extraction date	Extracted By
NA	NA	12/04/20 03:12:25	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
120220.R04	113020.R31	100	89401-566
113020.R06	113020.R04		
112320.R08	082520.05		
120220.R03	090320.02		
120220.R01	030420.06		
112320.R06	110120.01		

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	<0.100	3
LEAD	0.05	PPM	ND	0.5

Analyzed by	Weight	Extraction date	Extracted By
53	0.2589g	12/03/20 01:12:20	1879

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -DA019495HEA | Reviewed On - 12/04/20 14:31:39
Instrument Used : DA-ICPMS-002
Running On : 12/04/20 08:05:23
Batch Date : 12/03/20 10:19:03

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.

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