kaycha LABS
4131 SW 47th AVENUE SUITE 1408

Kaycha Labs

Muscle & Joint Heat Relief 500 mg
N/A
Matrix : Derivative

Certificate of Analysis

SAMPLE:DA91219011-001
Harvest/Lot ID: M12V01
Seed to Sale #N/A
Batch Date :N/A
Batch#: BMR0041/19
Sample Size Received: 91.5 gram
Ordered : 12/19/19
Sampled : 12/19/19
Completed: 01/17/20 Expires: 01/17/21
Sampling Method: SOP Client Method

Jan 17, 2020 | Green Roads

601 Fairway Drive Deerfield Beach
Florida, United States 33441

GREEN ROADS™

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
NOT TESTED

CANNABINOID RESULTS

Total THC
0.000%
THC/Container :0.00 mg

Total CBD
0.643%
CBD/Container :588.35 mg

Total Cannabinoids
0.643%

CBC	CBGA	CBG	THCV	D8-THC	CBDV	CBN	CBDA	CBD	THCA	D9-THC
ND	ND	ND	ND	ND	ND	ND	ND	0.643 %	ND	ND
ND	ND	ND	ND	ND	ND	ND	ND	6.430 mg/g	ND	ND
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.0001	0.001	0.0001

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
1224	3.0336g	12/19/19	965

Analysis Method -SOP.T.40.020, SOP.T.30.050
Analytical Batch -DA008850POT **Instrument Used :** DA-LC-003 **Batch Date :** 12/19/19

Reagent	Dilution	Consums. ID
121819.R06	400	76124-662
121819.R02		SFN-BX-1025
121819.R04		849C4-849AK
121819.R03		840C6-840H

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

Analyte	Weight	Extraction date	LOD	Extracted By
584	1g	12/19/19		584

Analysis Method -SOP.T.40.013
Analytical Batch -DA008869FIL
Instrument Used :
Batch Date : 12/19/19

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.

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Jorge Segredo
Lab Director

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ISO Accreditation # 97164

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Pesticides

PASSED

Pesticides	LOD	Action Level	Units	Result
CHLORDANE	0.005	0.1	ppm	ND
CAPTAN	0.05	3	ppm	ND
BOSCALID	0.01	3	PPM	ND
DIMETHOATE	0.01	0.1	ppm	ND
AZOXYSTROBIN	0.01	3	ppm	ND
ABAMECTIN B1A	0.02	0.3	ppm	ND
CIS-PERMETHRIN	0.05	1	ppm	ND
SPINETORAM	0.01	3	PPM	ND
ACEPHATE	0.001	3	ppm	ND
FENOXYCARB	0.01	0.1	ppm	ND
DIMETHOMORPH	0.005	3	ppm	ND
BIFENAZATE	0.01	3	ppm	ND
ETHOPROPHOS	0.01	0.1	ppm	ND
ACEQUINOCYL	0.01	2	ppm	ND
ACETAMIPRID	0.01	3	ppm	ND
ETOFENPROX	0.01	0.1	ppm	ND
BIFENTHRIN	0.01	0.5	ppm	ND
ALDICARB	0.02	0.1	ppm	ND
ETOXAZOLE	0.01	1.5	ppm	ND
FENPYROXIMATE	0.01	2	ppm	ND
FIPRONIL	0.02	0.1	ppm	ND
FENHEXAMID	0.01	3	ppm	ND
CARBARYL	0.01	0.5	ppm	ND
CARBOFURAN	0.01	0.1	ppm	ND
FLONICAMID	0.01	2	ppm	ND
FLUDIOXONIL	0.01	3	ppm	ND
CHLORFENAPYR	0.01	0.1	ppm	ND
CHLORANTRANILIPROLE	0.01	3	ppm	ND
HEXYTHIAZOX	0.01	2	ppm	ND
CHLORPYRIFOS	0.01	0.1	ppm	ND
IMAZALIL	0.01	0.1	ppm	ND
MALATHION	0.01	2	ppm	ND
CLOFENTEZINE	0.01	0.5	ppm	ND
DAMINOZIDE	0.02	0.1	ppm	ND
IMIDACLOPRID	0.01	3	ppm	ND
METALAXYL	0.01	3	ppm	ND
DICHLORVOS	0.05	0.1	ppm	ND
METHIOCARB	0.01	0.1	ppm	ND
COUMAPHOS	0.005	0.1	ppm	ND

Pesticides	LOD	Action Level	Units	Result
METHOMYL	0.01	0.1	ppm	ND
KRESOXIM-METHYL	0.01	1	ppm	ND
DIAZANON	0.01	0.2	ppm	ND
CYPERMETHRIN	0.01	1	ppm	ND
MEVINPHOS	0.01	0.1	ppm	ND
MYCLOBUTANIL	0.01	3	ppm	ND
NALED	0.01	0.5	ppm	ND
OXAMYL	0.01	0.5	ppm	ND
PACLOBUTRAZOL	0.01	0.1	ppm	ND
TRANS-PERMETHRIN	0.05	1	ppm	ND
PHOSMET	0.01	0.2	ppm	ND
PIPERONYL BUTOXIDE	0.01	3	ppm	ND
PRALLETHRIN	0.05	0.4	ppm	ND
PROPICONAZOLE	0.01	1	ppm	ND
PROPOXUR	0.01	0.1	ppm	ND
PYRETHRIN I	0.01	1	ppm	ND
PYRIDABEN	0.01	3	ppm	ND
SPINOSAD (SPINOSYN A)	0.01	3	ppm	ND
SPINOSAD (SPINOSYN D)	0.01	3	ppm	ND
SPIROMESIFEN	0.01	3	ppm	ND
SPIROTETRAMAT	0.02	3	ppm	ND
SPIROXAMINE	0.01	0.1	ppm	ND
TEBUCONAZOLE	0.01	1	ppm	0.014
THIACLOPRID	0.01	0.1	ppm	ND
THIAMETHOXAM	0.01	1	ppm	ND
TRIFLOXYSTROBIN	0.01	3	ppm	ND

Pesticides — PASSED

Analyzed by	Weight	Extraction date	Extracted By
585	1.0693g	12/19/19	1082

Analysis Method -SOP.T.30.065, SOP.T.40.065
Analytical Batch - DA008855PES
Instrument Used : LCMS E-SHI-039
Batch Date : 12/19/19

Reagent	Dilution	Consums. ID
SOP.T.30.065, SOP.T.40.065		

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Residual Solvents — PASSED

SOLVENT	LOD	ACTION LEVEL (PPM)	PASS/FAIL	RESULT
PROPANE	120	2100	PASS	ND
BUTANES (N-BUTANE)	96	2000	PASS	ND
ETHYLENE OXIDE	0.6	5	PASS	ND
METHANOL	22.5	250	PASS	ND
ETHANOL	90	5000	PASS	2101.542
PENTANES (N-PENTANE)	67.5	750	PASS	ND
ETHYL ETHER	45	500	PASS	ND
ACETONE	67.5	750	PASS	ND
2-PROPANOL	45	500	PASS	ND
ACETONITRILE	5.4	60	PASS	ND
DICHLOROMETHANE	11.25	125	PASS	ND
N-HEXANE	4.5	250	PASS	ND
ETHYL ACETATE	36	400	PASS	ND
BENZENE	0.09	1	PASS	ND
HEPTANE	45	500	PASS	ND
TOLUENE	13.5	150	PASS	ND
CHLOROFORM	0.18	2	PASS	ND
1,2-DICHLOROETHANE	0.18	2	PASS	ND
TRICHLOROETHYLENE	2.25	25	PASS	ND
1,1-DICHLOROETHENE	1	8	PASS	ND
TOTAL XYLENES	13.5	150	PASS	ND

Residual Solvents — PASSED

Analyzed by	Weight	Extraction date	Extracted By
850	0.0262g	12/19/19	850

Analysis Method -SOP.T.40.032
Analytical Batch -DA008879SOL
Instrument Used : Headspace GCMS 2
Batch Date : 12/19/19

Reagent	Dilution	Consums. ID
	1	00276446 160861-1 24152436

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 34 Residual solvents. (Method: SOP.T.30.042 Residual Solvents Analysis via GC-MS).

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Mycotoxins — PASSED

Analyte	LOD	Result	Action Level (PPM)
AFLATOXIN G2	0.002	ND	
AFLATOXIN G1	0.002	ND	
AFLATOXIN B2	0.002	ND	
AFLATOXIN B1	0.002	ND	
OCHRATOXIN A+	0.002	ND	0.02
TOTAL AFLATOXINS	0.02	ND	0.02

Analysis Method -SOP.T.30.065, SOP.T.40.065
Analytical Batch -DA008856
Instrument Used : LCMS E-SHI-039
Batch Date : 12/19/19

Analyzed by	Weight	Extraction date	Extracted By
585	1g	NA	NA

Microbials — PASSED

Analyte	LOD	Result
ASPERGILLUS_FLAVUS	10000	not present in 1 gram.
ASPERGILLUS_FUMIGATUS	10000	not present in 1 gram.
ASPERGILLUS_NIGER	10000	not present in 1 gram.
ASPERGILLUS_TERREUS	10000	not present in 1 gram.
ESCHERICHIA_COLI_SHIGELLA_SPP	10000	not present in 1 gram.
SALMONELLA_SPECIFIC_GENE	10000	not present in 1 gram.

Analysis Method -SOP.T.40.043
Analytical Batch -DA008864MIC
Instrument Used : PathogenDX PCR_Array Scanner
Batch Date : 12/19/19

Analyzed by	Weight	Extraction date	Extracted By
513	1.0174g	12/19/19	357

Heavy Metals — PASSED

Reagent	Dilution	Consums. ID
	50	

Metal	LOD	Result	Action Level (PPM)
ARSENIC	0.01	0.032	1.5
CADMIUM	0.01	ND	0.5
LEAD	0.01	0.391	0.5
MERCURY	0.01	ND	3

Analyzed by	Weight	Extraction date	Extracted By
457	0.2531g	12/20/19	457

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -DA008843HEA
Instrument Used : ICPMS-2030
Batch Date : 12/19/19

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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