2444 NE 1st Blvd Suite 700
Gainesville, FL, 32609, US

Kaycha Labs

1500mg CBD Cooling Rub Broad Spectrum
N/A
Matrix: Derivative

Certificate of Analysis

Sample:GA10216001-005
Harvest/Lot ID: 1500mg CBD Cooling Rub
Seed to Sale #N/A
Batch Date :02/15/21
Batch#: 1500mg CBD Cooling Rub
Sample Size Received: 11 gram
Total Weight/Volume: N/A
Retail Product Size: 60 gram
Ordered : 02/16/21
sampled : 02/16/21
Completed: 02/26/21
Sampling Method: SOP Client Method

Feb 26, 2021 | Southern Sun

11613 SW 234th St
Archer, FL, 32618, US

TESTED

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.

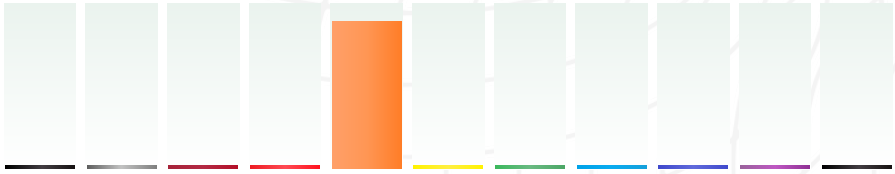
Terpenes
NOT TESTED

CANNABINOID RESULTS

Total THC
0.000%
TOTAL THC/Container :0.000 mg

Total CBD
2.515%
TOTAL CBD/Container :1509.101 mg

Total Cannabinoids
2.542%
Total Cannabinoids/Container :1525.542 mg



	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	D9-THC	D8-THC	CBC	THCA
%	<0.010	0.0190	ND	0.0240	2.4970	ND	ND	ND	ND	ND	ND
mg/g	<0.010	0.1900	ND	0.2400	24.9700	ND	ND	ND	ND	ND	ND
LOD	0.0010 %	0.0010 %	0.0010 %	0.0010 %	0.0001 %	0.0010 %	0.0010 %	0.0001 %	0.0010 %	0.0010 %	0.0010 %

Cannabinoid Profile Test

Analyzed by 2338 | **Weight** 3.0008g | **Extraction date :** 02/17/21 05:02:17 | **Extracted By :** 2206
Analysis Method -SOP.T.40.020, SOP.T.30.050 | **Reviewed On -** 02/18/21 16:52:01 | **Batch Date :** 02/17/21 14:18:53
Analytical Batch -GA022618POT | **Instrument Used :** GA-HPLC-001 2030C Plus (Carl)

Reagent	Dilution	Consums. ID
010621.23	40	282066106
021521.R19		VAV-09-1020 Lot# 947.077
021521.R21		6970145500298
		190624060
		16466-042

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
1791	179g	02/16/21	1791

Analyte	LOD	Result
Filth and Foreign Material	0.1	ND

Analysis Method -SOP.T.40.013 | **Batch Date :** 02/16/21 10:55:05
Analytical Batch -GA022539FIL | **Reviewed On -** 02/17/21 07:36:40
Instrument Used : GA-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.

Rob Bruton
Lab Director

State License # CMTL-0001
ISO Accreditation # ISO/IEC 17025:2017 Accreditation PJLA-Testing 97164

Signature

02/26/21
Signed On

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Gainesville, FL, 32609, US

Kaycha Labs

1500mg CBD Cooling Rub Broad Spectrum
N/A
Matrix : Derivative

Certificate of Analysis

TESTED

11613 SW 234th St
Archer, FL, 32618, US
Telephone: (954) 336-1166
Email: southernsuncbd@gmail.com

Sample : GA10216001-005
Harvest/LOT ID: 1500mg CBD Cooling Rub

Batch# : 1500mg CBD Cooling Rub
Sampled : 02/16/21
Ordered : 02/16/21

Sample Size Received : 11 gram
Total Weight/Volume : N/A
Completed : 02/26/21 **Expires:** 02/26/22
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
DICHLORVOS	0.01	ppm	0.1	ND
DIMETHOATE	0.01	ppm	0.1	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
PROPICONAZOLE	0.01	ppm	1	ND
PROPOXUR	0.01	ppm	0.1	ND

Pesticides	LOD	Units	Action Level	Result
PYRETHRINS	0.05	ppm	1	ND
PYRIDABEN	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)	0.01	PPM	20	ND
TOTAL DIAZINON	0.01	PPM	0.2	ND
TOTAL DIMETHOMORPH	0.02	PPM	3	ND
TOTAL PERMETHRIN	0.01	ppm	1	ND
TOTAL SPINETORAM	0.02	PPM	3	ND
TOTAL SPINOSAD	0.01	ppm	3	ND
TRIFLOXYSTROBIN	0.01	ppm	3	ND

Pesticides — PASSED

Analyzed by	Weight	Extraction date	Extracted By
1850 , 1541	0.9984g	02/17/21 10:02:40	1791 , 1791

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 - GA022566PES , GA022576VOL
Reviewed On- 02/17/21 07:36:40
Instrument Used : GA-LCMS-001 Pes , GA-GCMS-003 Triple Quad Pest (Indica)
Running On : 02/18/21 13:56:12 , 02/18/21 16:43:26
Batch Date : 02/17/21 07:42:15

Reagent	Dilution	Consums. ID
021621.R05 021121.R11 021121.R09 090420.01	10	282066106 VAV-09-1020 Lot# 947.077 6970145500298 P734631 / P7411895 16466-042

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.

Rob Bruton
Lab Director

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Signature

02/26/21
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Kaycha Labs

1500mg CBD Cooling Rub Broad Spectrum
N/A
Matrix : Derivative

Certificate of Analysis

TESTED

11613 SW 234th St
Archer, FL, 32618, US
Telephone: (954) 336-1166
Email: southernsuncbd@gmail.com

Sample : GA10216001-005
Harvest/LOT ID: 1500mg CBD Cooling Rub

Batch# : 1500mg CBD Cooling Rub
Sampled : 02/16/21
Ordered : 02/16/21

Sample Size Received : 11 gram
Total Weight/Volume : N/A
Completed : 02/26/21 **Expires:** 02/26/22
Sample Method : SOP Client Method

Residual Solvents — PASSED

Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
METHANOL	25	ppm	250	PASS	<125.000
ETHANOL	500	ppm		PASS	ND
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	ND
ACETONITRILE	6	ppm	60	PASS	ND
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
2155	0.0226g	02/16/21 02:02:57	2155

Analysis Method - SOP.T.40.032
Analytical Batch - GA022543SOL **Reviewed On -** 02/18/21 11:55:54
Instrument Used : GA-GCMS-001 Headspace Solvent
Running On : 02/17/21 08:01:56
Batch Date : 02/16/21 11:46:08

Reagent	Dilution	Consums. ID
		24154107 ach-20-1720

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).

Rob Bruton
Lab Director

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1500mg CBD Cooling Rub Broad Spectrum
N/A
Matrix : Derivative

Certificate of Analysis

TESTED

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Archer, FL, 32618, US
Telephone: (954) 336-1166
Email: southernsuncbd@gmail.com

Sample : GA10216001-005
Harvest/LOT ID: 1500mg CBD Cooling Rub

Batch# : 1500mg CBD Cooling Rub
Sampled : 02/16/21
Ordered : 02/16/21

Sample Size Received : 11 gram
Total Weight/Volume : N/A
Completed : 02/26/21 **Expires:** 02/26/22
Sample Method : SOP Client Method

Microbials — PASSED

Analyte	LOD	Result	Action Level (cfu/g)
ESCHERICHIA_COLI_SHIGELLA_SPP		not present in 1 gram.	
SALMONELLA_SPECIFIC_GENE		not present in 1 gram.	
ASPERGILLUS_FLAVUS		not present in 1 gram.	
ASPERGILLUS_FUMIGATUS		not present in 1 gram.	
ASPERGILLUS_TERREUS		not present in 1 gram.	

Analysis Method -SOP.T.40.043 / SOP.T.40.044 / SOP.T.40.041
Analytical Batch -GA022553MIC Batch Date : 02/16/21
Instrument Used : GA-093 PathogenDx Scanner (MIC)
Running On :

Analyzed by	Weight	Extraction date	Extracted By
1828	1.07g	02/16/21	2119

Reagent	Dilution	Consums. ID
020121.24	10	001001 001001 002005

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
TOTAL OCHRATOXIN A	0.002	PPM	ND	0.02

Analysis Method -SOP.T.30.065, SOP.T.40.065
Analytical Batch -GA022616MYC | Reviewed On - 02/19/21 18:02:48
Instrument Used : GA-LCMS-001 MYC
Running On : 02/18/21 13:56:19
Batch Date : 02/17/21 14:11:35

Analyzed by	Weight	Extraction date	Extracted By
1850	0.9984g	NA	NA

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
092920.39 021121.R14 021021.R45 081420.12 110519.13 020921.R03	012021.R12	50	190624060 106667-05-100719

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	ND	3
LEAD	0.05	PPM	ND	

Analyzed by	Weight	Extraction date	Extracted By
650	0.5066g	02/16/21 04:02:38	2206

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -GA022518HEA | Reviewed On - 02/17/21 15:10:26
Instrument Used : GA-ICPMS-001-DER (Ice Princess)
Running On :
Batch Date : 02/16/21 08:50:52

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.

Rob Bruton
Lab Director

State License # CMTL-0001
ISO Accreditation # ISO/IEC 17025:2017 Accreditation PJLA-Testing 97164

Signature

02/26/21
Signed On