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

Kaycha Labs

THC Indica Balm
Afghani
Matrix: Derivative

Certificate of Analysis

Sample:DA91007011-004
Harvest/Lot ID: HS-TOH1004201901
Cultivation Facility: Miami Cultivation
Processing Facility : Homestead Processing
Seed to Sale #8297 1463 9501 4357
Batch Date :N/A
Batch#: HS-TOH1004201901
Sample Size Received: 8.0 gram
Total Weight/Volume: 2000 gram
Retail Product Size: 30 gram gram
Ordered : 10/07/19
sampled : 10/07/19
Completed: 10/11/19
Sampling Method: SOP Client Method

Oct 11, 2019 | CURALEAF FLORIDA LLC

19000 SW 192 STREET
MIAMI, FL, 33187, US

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.

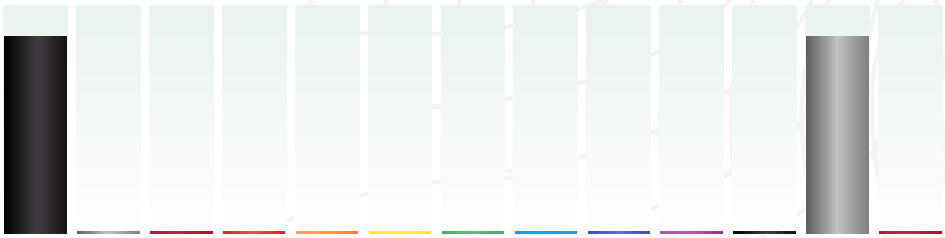
Terpenes
TESTED

CANNABINOID RESULTS

Total THC
1.075%
THC/Container :0.00 mg

Total CBD
0.000%
CBD/Container :322.50 mg

Total Cannabinoids
0.000%
Total Cannabinoids / Container :0.000



	D9-THC	THCA	CBD	CBDA	CBN	CBDV	D8-THC	THCV	CBG	CBGA	CBC	TOTAL TH	TOTAL CB
%	1.0750	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0750	ND
mg/g	10.7500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.7500	ND
LOD	0.0010 %	0.0010 %	0.0010 %	0.0010 %	0.0010 %	0.0010 %	0.0010 %	0.0010 %	0.0010 %	0.0010 %	0.0010 %	0.0010	0.0010

Cannabinoid Profile Test

Analyzed by
64
Weight
0.1128g
Extraction date :
10/07/19 03:10:26
Extracted By :
574
Analysis Method -SOP.T.40.020, SOP.T.30.050
Analytical Batch -DA006918
Instrument Used :
Batch Date :

Reagent	Dilution	Consums. ID
100719.R09	400	76124-662 SFN-BX-1025 849C4-849AK 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

Analyzed By	Weight	Extraction date	Extracted By
584	1g	10/09/19	584

Analyte — **LOD** 0 — **Result** ND
Filth and Foreign Material
Analysis Method -SOP.T.40.013
Batch Date :
Analytical Batch -DA007021
Instrument Used :

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

10/11/19
Signed On

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THC Indica Balm
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Certificate of Analysis

PASSED

19000 SW 192 STREET
MIAMI, FL, 33187, US
Telephone: 7865860672
Email: erick.ramirez@curaleaf.com

Sample : DA91007011-004
Harvest/LOT ID: HS-TOH1004201901

Batch# : HS-TOH1004201901
Sampled : 10/07/19
Ordered : 10/07/19

Sample Size Received : 8.0 gram
Total Weight/Volume : 2000 gram
Completed : 10/11/19 **Expires:** 10/11/20
Sample Method : SOP Client Method

Terpenes — TESTED

Terpenes	LOD(%)	mg/g	%	Result (%)
ALPHA-CEDRENE	0.007	ND	ND	
ALPHA-HUMULENE	0.007	ND	ND	
ALPHA-PINENE	0.007	ND	ND	
ALPHA-TERPINENE	0.007	ND	ND	
BETA-MYRCENE	0.007	ND	ND	
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	ND	ND	
CEDROL	0.007	ND	ND	
ALPHA-BISABOLOL	0.007	ND	ND	
ISOPULEGOL	0.007	ND	ND	
CIS-NEROLIDOL	0.007	ND	ND	
3-CARENE	0.007	ND	ND	
FENCHYL ALCOHOL	0.007	ND	ND	
HEXAHYDROTHYMOL	0.007	ND	ND	
EUCALYPTOL	0.007	ND	ND	
ISOBORNEOL	0.007	ND	ND	
FARNESENE	0.007	ND	ND	
FENCHONE	0.007	ND	ND	
GAMMA-TERPINENE	0.007	ND	ND	
GERANIOL	0.007	ND	ND	
GERANYL ACETATE	0.007	ND	ND	
GUAIOL	0.007	ND	ND	
LIMONENE	0.007	ND	ND	
LINALOOL	0.007	ND	ND	
NEROL	0.007	ND	ND	
OCIMENE	0.007	ND	ND	
ALPHA-PHELLANDRENE	0.007	ND	ND	
PULEGONE	0.007	ND	ND	
SABINENE	0.007	ND	ND	
SABINENE HYDRATE	0.007	ND	ND	
TERPINEOL	0.007	ND	ND	
TERPINOLENE	0.007	ND	ND	
TRANS-CARYOPHYLLENE	0.007	ND	ND	
TRANS-NEROLIDOL	0.007	ND	ND	
VALENCENE	0.007	ND	ND	

Total (%) 0.000

Terpenes — TESTED

Analyzed by	Weight	Extraction date	Extracted By
585	1.0023g	10/07/19 02:10:01	585

Analysis Method -SOP.T.40.090
Analytical Batch -DA006915
Instrument Used :
Running On :
Batch Date :

Reagent	Dilution	Consums. ID
100719.R09	10	180711
100219.R01		SFN-BX-1025
		923C4-923AK
		910C6 - 910H

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

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PASSED

19000 SW 192 STREET
MIAMI, FL, 33187, US
Telephone: 7865860672
Email: erick.ramirez@curaleaf.com

Sample : DA91007011-004
Harvest/LOT ID: HS-TOH1004201901

Batch# : HS-TOH1004201901
Sampled : 10/07/19
Ordered : 10/07/19

Sample Size Received : 8.0 gram
Total Weight/Volume : 2000 gram
Completed : 10/11/19 **Expires:** 10/11/20
Sample Method : SOP Client Method

Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Result
DIMETHOATE	0.01	ppm	0.1	ND
ABAMECTIN B1A	0.02	ppm	0.3	ND
CIS-PERMETHRIN	0.05	ppm	1	ND
SPINETORAM	0.01	PPM		ND
ACEPHATE	0.001	ppm	3	ND
DIMETHOMORPH	0.005	ppm	3	ND
ETHOPROPHOS	0.01	ppm	0.1	ND
ACEQUINOCYL	0.01	ppm	2	ND
ACETAMIPRID	0.01	ppm	3	ND
ETOFENPROX	0.01	ppm	0.1	ND
ALDICARB	0.02	ppm	0.1	ND
ETOXAZOLE	0.01	ppm	1.5	ND
AZOXYSTROBIN	0.01	ppm	3	ND
FENHEXAMID	0.01	ppm	3	ND
BIFENAZATE	0.01	ppm	3	ND
FENOXYCARB	0.01	ppm	0.1	ND
FENPYROXIMATE	0.01	ppm	2	ND
BIFENTHRIN	0.01	ppm	0.5	ND
CARBARYL	0.01	ppm	0.5	ND
FIPRONIL	0.02	ppm	0.1	ND
FLONICAMID	0.01	ppm	2	ND
CARBOFURAN	0.01	ppm	0.1	ND
CHLORANTRANILIPROLE	0.01	ppm	3	ND
FLUDIOXONIL	0.01	ppm	3	ND
HEXYTHIAZOX	0.01	ppm	2	ND
IMAZALIL	0.01	ppm	0.1	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND
IMIDACLOPRID	0.01	ppm	3	ND
CLOFENTEZINE	0.01	ppm	0.5	ND
KRESOXIM-METHYL	0.01	ppm	1	ND
COUMAPHOS	0.005	ppm	0.1	ND
MALATHION	0.01	ppm	2	ND
CYPERMETHRIN	0.01	ppm	1	ND
DAMINOZIDE	0.01	ppm	0.1	ND
METALAXYL	0.01	ppm	3	ND
DICHLORVOS	0.05	ppm	0.1	ND
METHIOCARB	0.01	ppm	0.1	ND
METHOMYL	0.01	ppm	0.1	ND
DIAZANON	0.01	ppm	0.2	ND
MEVINPHOS	0.01	ppm	0.1	ND
MYCLOBUTANIL	0.01	ppm	3	ND
NALED	0.01	ppm	0.5	ND
OXAMYL	0.01	ppm	0.5	ND
PACLOBUTRAZOL	0.01	ppm	0.1	ND
TRANS-PERMETHRIN	0.05	ppm	1	ND
PHOSMET	0.01	ppm	0.2	ND

Pesticides	LOD	Units	Action Level	Result
PIPERONYL BUTOXIDE	0.01	ppm	3	ND
PRALLETHRIN	0.05	ppm	0.4	ND
PROPICONAZOLE	0.01	ppm	1	ND
PROPOXUR	0.01	ppm	0.1	ND
PYRETHRIN I	0.01	ppm	1	ND
PYRIDABEN	0.01	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	0.02	ppm	3	ND
SPIROXAMINE	0.01	ppm	0.1	ND
TEBUCONAZOLE	0.01	ppm	1	ND
THIACLOPRID	0.01	ppm	0.1	ND
THIAMETHOXAM	0.01	ppm	1	ND
TRIFLOXYSTROBIN	0.01	ppm	3	ND

Pesticides — PASSED

Analyzed by	Weight	Extraction date	Extracted By
56	1.0183g	10/07/19 06:10:01	357

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 - DA006935
Instrument Used :
Running On : **Batch Date :**

Reagent	Dilution	Consums. ID
	10	181205

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

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

Signature

10/11/19
Signed On

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Kaycha Labs

THC Indica Balm
Afghani
Matrix : Derivative

Certificate of Analysis

PASSED

19000 SW 192 STREET
MIAMI, FL, 33187, US
Telephone: 7865860672
Email: erick.ramirez@curaleaf.com

Sample : DA91007011-004
Harvest/LOT ID: HS-TOH1004201901

Batch# : HS-TOH1004201901
Sampled : 10/07/19
Ordered : 10/07/19

Sample Size Received : 8.0 gram
Total Weight/Volume : 2000 gram
Completed : 10/11/19 **Expires:** 10/11/20
Sample Method : SOP Client Method

Residual Solvents — PASSED

Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
1,2-DICHLOROETHANE	0.2	ppm	2	PASS	ND
1,1-DICHLOROETHENE	0.2	ppm	8	PASS	ND
2-ETHOXYETHANOL	9.6	ppm		PASS	ND
2-PROPANOL	140	ppm	500	PASS	ND
ACETONE	140	ppm	750	PASS	ND
ACETONITRILE	6	ppm	60	PASS	ND
BENZENE	0.1	ppm	1	PASS	ND
BUTANES (ISO-BUTANE)	50	ppm	2000	PASS	ND
BUTANES (N-BUTANE)	50	ppm	2000	PASS	ND
CHLOROFORM	0.2	ppm	2	PASS	ND
ETHANOL	140	ppm	5000	PASS	ND
ETHYL ACETATE	140	ppm	400	PASS	ND
CYCLOHEXANE	232.8	ppm		PASS	ND
DICHLOROMETHANE	36	ppm		PASS	ND
ETHYL ETHER	140	ppm	500	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
ETHYLBENZENE	130.2	ppm		PASS	ND
HEPTANE	140	ppm	500	PASS	ND
HEXANES (2,2-DIMETHYLBUTANE)	17.4	ppm	60	PASS	ND
HEXANES (2,3-DIMETHYLBUTANE)	17.4	ppm	60	PASS	ND
HEXANES (2-METHYLPENTANE)	17.4	ppm	60	PASS	ND
HEXANES (3-METHYLPENTANE)	17.4	ppm	60	PASS	ND
ISOPROPYL ACETATE	140	ppm		PASS	ND
METHYLENE CHLORIDE	1	ppm	125	PASS	ND
METHANOL	25	ppm	250	PASS	ND
N-HEXANE	17.4	ppm	60	PASS	ND
PENTANES (ISO-PENTANE)	140	ppm		PASS	ND
PENTANES (N-PENTANE)	50	ppm	750	PASS	ND
PENTANES (NEO-PENTANE)	50	ppm		PASS	ND
PROPANE	10	ppm	2100	PASS	ND
TETRAHYDROFURAN	43.2	ppm		PASS	ND
TOLUENE	15	ppm	150	PASS	ND
TOTAL XYLENES	1	ppm	150	PASS	ND
TRICHLOROETHYLENE	0.2	ppm	25	PASS	ND

Residual Solvents — PASSED

Analyzed by	Weight	Extraction date	Extracted By
850	0.0206g	10/07/19 02:10:10	850

Analysis Method -SOP.T.40.032
Analytical Batch -DA006923
Instrument Used :
Running On :
Batch Date :

Reagent	Dilution	Consums. ID
	1	00268767 160861-1 24151941

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

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19000 SW 192 STREET
MIAMI, FL, 33187, US
Telephone: 7865860672
Email: erick.ramirez@curaleaf.com

Sample : DA91007011-004
Harvest/LOT ID: HS-TOH1004201901

Batch# : HS-TOH1004201901
Sampled : 10/07/19
Ordered : 10/07/19

Sample Size Received : 8.0 gram
Total Weight/Volume : 2000 gram
Completed : 10/11/19 **Expires:** 10/11/20
Sample Method : SOP Client Method

Microbials — PASSED

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

Analysis Method -SOP.T.40.043 / SOP.T.40.044 / SOP.T.40.041
Analytical Batch -DA006929 **Batch Date :**
Instrument Used :
Running On :

Analyzed by	Weight	Extraction date	Extracted By
513	1.0468g	10/07/19	513

Consums. ID

A01
2803018
013
009A
019
009

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	0.001	ppm	ND	0.02
AFLATOXIN G1	0.001	ppm	ND	0.02
AFLATOXIN B2	0.001	ppm	ND	0.02
AFLATOXIN B1	0.001	ppm	ND	0.02
OCHRATOXIN A+	0.001	ppm	ND	0.02

Analysis Method -SOP.T.30.065, SOP.T.40.065
Analytical Batch -DA006936
Instrument Used :
Running On :
Batch Date :

Analyzed by	Weight	Extraction date	Extracted By
56	1g	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

Dilution

50

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC	0.0008369	ppm	ND	1.5
CADMIUM	0.0022201	ppm	ND	0.5
LEAD	0.0032903	ppm	ND	0.5
MERCURY	0.0028556	ppm	ND	3

Analyzed by	Weight	Extraction date	Extracted By
457	0.5057g	10/07/19 03:10:06	457

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -DA006922
Instrument Used :
Running On :
Batch Date :

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

10/11/19
Signed On