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

Kaycha Labs

THC Vape - Blue Cheese
Blue Cheese
Matrix: Derivative

Certificate of Analysis

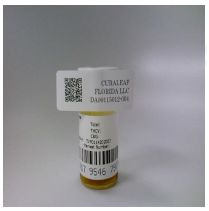
Sample:DA00115012-004
Harvest/Lot ID: HS-TVF0114202003
Cultivation Facility: Miami Cultivation
Processing Facility : Homestead Processing
Seed to Sale #3610 7417 9546 7977
Batch Date :N/A
Batch#: HS-TVF0114202003
Sample Size Received: 7.0 gram
Total Weight/Volume: 2000 gram
Retail Product Size: 0.5 gram gram
Ordered : 01/15/20
sampled : 01/15/20
Completed: 01/17/20
Sampling Method: SOP Client Method

Jan 17, 2020 | 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.

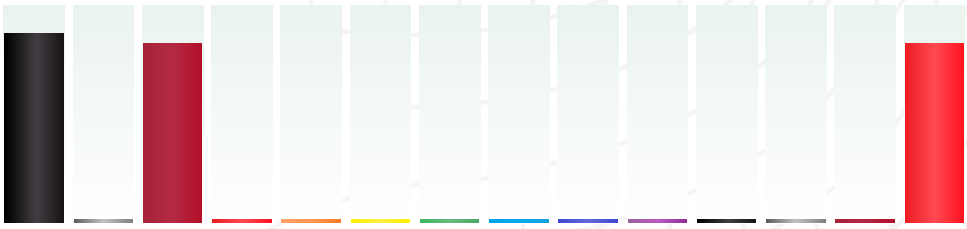
Terpenes
TESTED

CANNABINOID RESULTS

Total THC
80.652%
THC/Container :403.26 mg

Total CBD
0.110%
CBD/Container :0.55 mg

Total Cannabinoids
84.699%
Total Cannabinoids / Container :0.000



	TOTAL CA	TOTAL CB	TOTAL TH	CBC	CBGA	CBG	THCV	D8-THC	CBDV	CBN	CBDA	CBD	THCA	D9-THC
%	84.6990	0.1100	80.6520	1.2330	ND	1.4790	0.8550	0.1450	ND	0.2250	ND	0.1100	ND	80.6520
mg/g	846.9900	1.1000	806.5200	12.3300	ND	14.7900	8.5500	1.4500	ND	2.2500	ND	1.1000	ND	806.5200
LOD	0.0000 %	0.0010 %	0.0010 %	0.0010 %	0.0010 %	0.0010 %	0.0010 %	0.0010 %	0.0010 %	0.0010 %	0.0010 %	0.0001 %	0.0010 %	0.0001 %

Filth — PASSED

Analyzed By	Weight	Extraction date	Extracted By
584	1g	01/15/20	584

Analyte Filth and Foreign Material
LOD 0
Result ND
Batch Date : 01/15/20 13:40:50
Analysis Method -SOP.T.40.013
Analytical Batch -DA009453FIL
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.

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
1224	0.1052g	01/15/20 01:01:33	574

Analysis Method -SOP.T.40.020, SOP.T.30.050
Batch Date : 01/15/20 10:28:04
Analytical Batch -DA009445POT
Instrument Used : DA-LC-003

Reagent	Dilution	Consums. ID
011020.R10 011420.R09 011420.R08	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).

Jorge Segredo
Lab Director

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

Signature

01/17/20
Signed On

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DAVIE, FL, 33314, US

Kaycha Labs

THC Vape - Blue Cheese
Blue Cheese
Matrix : Derivative

Certificate of Analysis

PASSED

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

Sample : DA00115012-004
Harvest/LOT ID: HS-TVF0114202003
Batch# : HS-TVF0114202003
Sampled : 01/15/20
Ordered : 01/15/20

Sample Size Received : 7.0 gram
Total Weight/Volume : 2000 gram
Completed : 01/17/20 **Expires:** 01/17/21
Sample Method : SOP Client Method

Terpenes — TESTED

Terpenes	LOD(%)	mg/g	%	Result (%)
ALPHA-CEDRENE	0.007	ND	ND	
ALPHA-HUMULENE	0.007	2.499	0.249	
ALPHA-PINENE	0.007	1.633	0.163	
ALPHA-TERPINENE	0.007	ND	ND	
BETA-MYRCENE	0.007	3.741	0.374	
BETA-PINENE	0.007	1.315	0.131	
BORNEOL	0.013	< 0.4	< 0.040	
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	2.114	0.211	
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	9.848	0.984	
LINALOOL	0.007	4.018	0.401	
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	0.847	0.084	
TERPINOLENE	0.007	ND	ND	
BETA-CARYOPHYLLENE	0.007	11.246	1.124	
TRANS-NEROLIDOL	0.007	ND	ND	
VALENCENE	0.007	ND	ND	

Total (%) 3.726

Terpenes — TESTED

Analyzed by	Weight	Extraction date	Extracted By
1118	0.9667g	01/15/20 11:01:43	1118

Analysis Method -SOP.T.40.090
Analytical Batch -DA009419TER
Instrument Used : Liquid Injection GCMS QP2010
Running On :
Batch Date : 01/15/20 08:21:37

Reagent	Dilution	Consums. ID
	10	

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

01/17/20
Signed On

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Kaycha Labs

THC Vape - Blue Cheese
Blue Cheese
Matrix : Derivative

Certificate of Analysis

PASSED

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

Sample : DA00115012-004
Harvest/LOT ID: HS-TVF0114202003

Batch# : HS-TVF0114202003
Sampled : 01/15/20
Ordered : 01/15/20

Sample Size Received : 7.0 gram
Total Weight/Volume : 2000 gram
Completed : 01/17/20 **Expires:** 01/17/21
Sample Method : SOP Client Method

Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Result
CHLORDANE	0.005	ppm	0.1	ND
CAPTAN	0.05	ppm	0.7	ND
BOSCALID	0.01	PPM	0.1	ND
DIMETHOATE	0.01	ppm	0.1	ND
AZOXYSTROBIN	0.01	ppm	0.01	ND
ABAMECTIN B1A	0.02	ppm	0.1	ND
CIS-PERMETHRIN	0.05	ppm	0.1	ND
SPINETORAM	0.01	PPM	0.2	ND
ACEPHATE	0.001	ppm	0.1	ND
FENOXYCARB	0.01	ppm	0.1	ND
DIMETHOMORPH	0.005	ppm	0.2	ND
BIFENAZATE	0.01	ppm	0.1	ND
ETHOPROPHOS	0.01	ppm	0.1	ND
ACEQUINOCYL	0.01	ppm	0.1	ND
ACETAMIPRID	0.01	ppm	0.1	ND
ETOFENPROX	0.01	ppm	0.1	ND
BIFENTHRIN	0.01	ppm	0.1	ND
ALDICARB	0.02	ppm	0.1	ND
ETOXAZOLE	0.01	ppm	0.1	ND
FENPYROXIMATE	0.01	ppm	0.1	ND
FIPRONIL	0.02	ppm	0.1	ND
FENHEXAMID	0.01	ppm	0.1	ND
CARBARYL	0.01	ppm	0.5	ND
CARBOFURAN	0.01	ppm	0.1	ND
FLONICAMID	0.01	ppm	0.1	ND
FLUDIOXONIL	0.01	ppm	0.1	ND
CHLORFENAPYR	0.01	ppm	0.1	ND
CHLORANTRANILIPROLE	0.01	ppm	1	ND
HEXYTHIAZOX	0.01	ppm	0.1	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND
IMAZALIL	0.01	ppm	0.1	ND
MALATHION	0.01	ppm	0.2	ND
CLOFENTEZINE	0.01	ppm	0.2	ND
DAMINOZIDE	0.02	ppm	0.1	ND
IMIDACLOPRID	0.01	ppm	0.4	ND
METALAXYL	0.01	ppm	0.02	ND
DICHLORVOS	0.05	ppm	0.1	ND
METHIOCARB	0.01	ppm	0.05	ND
COUMAPHOS	0.005	ppm	0.1	ND
METHOMYL	0.01	ppm	0.1	ND
KRESOXIM-METHYL	0.01	ppm	0.1	ND
DIAZANON	0.01	ppm	0.1	ND
CYPERMETHRIN	0.01	ppm	0.5	ND
MEVINPHOS	0.01	ppm	0.1	ND
MYCLOBUTANIL	0.01	ppm	0.1	ND
NALED	0.01	ppm	0.25	ND

Pesticides	LOD	Units	Action Level	Result
OXAMYL	0.01	ppm	0.5	ND
PACLOBUTRAZOL	0.01	ppm	0.1	ND
TRANS-PERMETHRIN	0.05	ppm	0.1	ND
PHOSMET	0.01	ppm	0.1	ND
PIPERONYL BUTOXIDE	0.01	ppm	3	ND
PRALLETHRIN	0.05	ppm	0.1	ND
PROPICONAZOLE	0.01	ppm	0.1	ND
PROPOXUR	0.01	ppm	0.1	ND
PYRETHRIN I	0.01	ppm	0.5	ND
PYRIDABEN	0.01	ppm	0.2	ND
SPINOSAD (SPINOSYN A)	0.01	ppm	0.1	ND
SPINOSAD (SPINOSYN D)	0.01	ppm	0.1	ND
SPIROMESIFEN	0.01	ppm	0.1	ND
SPIROTETRAMAT	0.02	ppm	0.1	ND
SPIROXAMINE	0.01	ppm	0.1	ND
TEBUCONAZOLE	0.01	ppm	0.1	ND
THIACLOPRID	0.01	ppm	0.1	ND
THIAMETHOXAM	0.01	ppm	0.5	ND
TRIFLOXYSTROBIN	0.01	ppm	0.1	ND

Pesticides — PASSED

Analyzed by 585
Weight 0.9570g
Extraction date 01/15/20 12:01:41
Extracted By 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 - DA009433PES
Instrument Used : LCMS E-SHI-039
Running On :
Batch Date : 01/15/20 09:24:07

Reagent	Dilution	Consums. ID
101519.04		180711
010220.R05		
010220.R06		

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

01/17/20
Signed On

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Blue Cheese
Matrix : Derivative

Certificate of Analysis

PASSED

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Telephone: 7865860672
Email: erick.ramirez@curaleaf.com

Sample : DA00115012-004
Harvest/LOT ID: HS-TVF0114202003

Batch# : HS-TVF0114202003
Sampled : 01/15/20
Ordered : 01/15/20

Sample Size Received : 7.0 gram
Total Weight/Volume : 2000 gram
Completed : 01/17/20 **Expires:** 01/17/21
Sample Method : SOP Client Method

Residual Solvents — PASSED

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

Residual Solvents — PASSED

Analyzed by	Weight	Extraction date	Extracted By
850	0.0255g	01/15/20 03:01:48	850

Analysis Method -SOP.T.40.032
Analytical Batch -DA009459SOL
Instrument Used : Headspace GCMS
Running On :
Batch Date : 01/15/20 15:09:12

Reagent	Dilution	Consums. ID
	1	00276446 161040-1 24152436

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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THC Vape - Blue Cheese
Blue Cheese
Matrix : Derivative

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Telephone: 7865860672
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Sample : DA00115012-004
Harvest/LOT ID: HS-TVF0114202003
Batch# : HS-TVF0114202003
Sampled : 01/15/20
Ordered : 01/15/20

Sample Size Received : 7.0 gram
Total Weight/Volume : 2000 gram
Completed : 01/17/20 **Expires:** 01/17/21
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.	
TOTAL_YEAST_AND_MOLD		not present in 1 gram.	

Analysis Method -SOP.T.40.043 / SOP.T.40.044 / SOP.T.40.041
Analytical Batch -DA009429MIC **Batch Date :** 01/15/20, 01/15/20
Instrument Used : PathogenDX PCR_Array Scanner, PathogenDX PCR_Array Scanner
Running On :

Analyzed by	Weight	Extraction date	Extracted By
513,	1.01104g	01/15/20	1082,

Reagent	Consums. ID	Consums. ID
011320.R03	2802012	012
	2803022	
	A03	
	010A	
	020	
	19193	

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	
AFLATOXIN G1	0.002	ppm	ND	
AFLATOXIN B2	0.002	ppm	ND	
AFLATOXIN B1	0.002	ppm	ND	
OCHRATOXIN A+	0.002	ppm	ND	0.02
TOTAL AFLATOXINS	0.02	PPM	ND	0.02

Analysis Method -SOP.T.30.065, SOP.T.40.065
Analytical Batch -DA009434
Instrument Used : LCMS E-SHI-039
Running On :
Batch Date : 01/15/20 09:25:31

Analyzed by	Weight	Extraction date	Extracted By
585	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

Reagent	Reagent	Dilution
010220.R09	011020.R13	50
011420.R04	010220.R04	
010620.R02	111319.01	
011520.R02		
011520.R03		
011520.R01		

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC	0.01	PPM	ND	0.2
CADMIUM	0.01	PPM	ND	0.2
LEAD	0.01	PPM	ND	0.5
MERCURY	0.01	PPM	ND	0.1

Analyzed by	Weight	Extraction date	Extracted By
53	0.2590g	01/15/20 04:01:30	457

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -DA009426HEA
Instrument Used : ICPMS-2030
Running On :
Batch Date : 01/15/20 08:43:31

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

Signature

01/17/20
Signed On