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

Kaycha Labs

CBG White
N/A
Matrix: Flower

Certificate of Analysis

Sample:DA00901014-001
Harvest/Lot ID: 1/1a
Seed to Sale #N/A
Batch Date :N/A
Batch#: 1/1a
Sample Size Received: 10 gram
Retail Product Size: 10
Ordered : 09/01/20
Sampled : 09/01/20
Completed: 09/09/20 Expires: 09/09/21
Sampling Method: SOP Client Method

Sep 09, 2020 | Grandpas Family Farms LLC

8505 Highway 89 North
Chamois, MO, 65024, US

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

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

CANNABINOID RESULTS

Total THC
0.047%
THC/Container :4.736 mg

Total CBD
0.058%
CBD/Container :5.876 mg

Total Cannabinoids
19.416%
Total Cannabinoids/Container :1941.700 mg

	CBC	CBD	CBDA	CBDV	CBG	CBGA	CBN	D8-THC	D9-THC	THCA	THCV
	0.308%	ND	0.067%	0.035%	2.447%	16.469 %	ND	ND	ND	0.054%	0.037%
	3.080 mg/g	ND	0.670 mg/g	0.350 mg/g	24.470 mg/g	164.690 mg/g	ND	ND	ND	0.540 mg/g	0.370 mg/g
LOD	0.001 %	0.0001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.0001 %	0.001 %	0.001 %

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
450	0.2018g	09/03/20 11:09:13	1823

Analysis Method -SOP.T.40.020, SOP.T.30.050 **Reviewed On -** 09/09/20 11:57:58
Analytical Batch -DA015347POT **Instrument Used :** DA-LC-001 **Batch Date :** 09/03/20 09:17:28

Reagent	Dilution	Consums. ID
042120.31	400	280678841
090320.R06		918C4-918J
090320.R05		914C4-914AK
		929C6-929H

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	LOD(ppm)	Extracted By
457	1g	NA		NA

Analysis Method -SOP.T.40.013 **Batch Date :** 09/02/20 11:45:10
Analytical Batch -DA015316FIL **Reviewed On -** 09/02/20 16:21:55
Instrument Used : 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.

Water Activity — TESTED

Analyte	Analyzed by	Weight	Ext. date	LOD	A.L	Result
WATER ACTIVITY	457	1g	NA	0.1 aw	0.65aw	0.985 aW

Analysis Method -Water Activity SOP.T.40.010 **Batch Date :** 09/02/20 09:44:41
Analytical Batch -DA015295WAT **Reviewed On -** 09/03/20 12:47:19
Instrument Used : DA-028 Rotronic Hygropalm

Moisture — TESTED

Analyte	Analyzed by	Weight	Ext. date	LOD	A.L	Result
MOISTURE CONTENT	457	1g	NA	1 %	15%	79.250 %

Analysis Method -Moisture Analysis SOP.T.40.011 **Batch Date :** 09/02/20 11:25:50
Analytical Batch -DA015313MOI **Reviewed On -** 09/03/20 12:48:35
Instrument Used : DA-046 Moisture Analyzer

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

Signature

09/09/2020
Signed On

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Matrix : Flower

Certificate of Analysis

Grandpas Family Farms LLC

8505 Highway 89 North
Chamois, MO, 65024, US
Telephone: (573) 645-7793
Email: scott.mertz@hotmail.com

Sample : DA00901014-001
Harvest/LOT ID: 1/1a
Batch# : 1/1a
Sampled : 09/01/20
Ordered : 09/01/20
Sample Size Received : 10 gram
Completed : 09/09/20 **Expires:** 09/09/21
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
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	0.1	ppm	3	ND
PRALLETHRIN	0.01	ppm	0.4	ND
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	PPM	20	ND
TOTAL PERMETHRIN	0.01	ppm	1	ND
TOTAL SPINOSAD	0.01	ppm	3	ND
TRIFLOXYSTROBIN	0.01	ppm	3	ND

Pesticides — PASSED

Analyzed by	Weight	Extraction date	Extracted By
585	1.0155g	09/03/20 10:09:29	1082

Analysis Method - SOP.T.30.065, SOP.T.40.065 , SOP.T.30.065, SOP.T40.070
Analytical Batch - DA015350PES **Reviewed On-** 09/02/20 16:21:55
Instrument Used : DA-LCMS-002_FLO (PES)
Batch Date : 09/03/20 09:33:31

Reagent	Dilution	Consums. ID
080320.03	10	280678841 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.

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Email: scott.mertz@hotmail.com

Sample : DA00901014-001
Harvest/LOT ID: 1/1a
Batch# : 1/1a
Sampled : 09/01/20
Ordered : 09/01/20

Sample Size Received : 10 gram
Completed : 09/09/20 **Expires:** 09/09/21
Sample Method : SOP Client Method

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 -DA015284MIC **Batch Date :** 09/02/20
Instrument Used : PathogenDX PCR_Array Scanner DA-111,PathogenDX PCR_DA-013
Running On :

Analyzed by	Weight	Extraction date	Extracted By
513	1.1862g	09/02/20	513

Reagent	Consums. ID	Consums. ID	Consums. ID	Consums. ID
071020.17	181019-274	50AX30819	2804026	029
101519.09	SG298A	19423	2808006	2811017
	11989-024CC-024	080717	2802020	001001
	181207119C	850C6-850H	2803029	
	918C4-918J	2807008	A08	
	914C4-914AK	2809005	2810014D	

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)
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
OCHRATOXIN A+	0.002	ppm	ND	0.02

Analysis Method -SOP.T.30.065, SOP.T.40.065
Analytical Batch -DA015360MYC | **Reviewed On -** 09/08/20 13:55:09
Instrument Used : DA-LCMS-002_FLO (MYC)
Running On :
Batch Date : 09/03/20 11:31:41

Analyzed by	Weight	Extraction date	Extracted By
585	1g	09/04/20 04:09:35	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
090220.R05	090220.R02	100	89401-566
090120.R09	082420.R18		
071320.08	082720.R01		
083120.R06	022520.02		
082720.R14	030420.06		
090220.R01	080120.01		

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC	0.02	PPM	<0.100	1.5
CADMIUM	0.02	PPM	<0.100	0.5
LEAD	0.05	PPM	<0.250	0.5
MERCURY	0.02	PPM	ND	3

Analyzed by	Weight	Extraction date	Extracted By
53	0.2388g	09/02/20 03:09:06	1022

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -DA015310HEA | **Reviewed On -** 09/03/20 09:02:10
Instrument Used : DA-ICPMS-001
Running On :
Batch Date : 09/02/20 10:41:10

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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