10427 Cogdill Road, Suite 500
Knoxville, TN, 37932, US
DEA Number: RK0595249

Kaycha Labs
Grape Soda 2021
N/A
Matrix: Flower

Certificate of Analysis

Sample:KN11116001-004
Harvest/Lot ID: GS2021
Batch#: GS1
Seed to Sale# N/A
Batch Date: 11/10/21
Sample Size Received: 10 gram
Total Weight/Volume: N/A
Retail Product Size: 3.5 gram
Ordered : 11/11/21
sampled : 11/11/21
Completed: 11/19/21 Expires: 11/19/22
Sampling Method: SOP Client Method

Nov 19, 2021 | TheCBGGurus

25 Locust Road
Harwinton, CT, 067914, US

TESTED

PRODUCT IMAGE

SAFETY RESULTS

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

MISC.

Terpenes
TESTED

CANNABINOID RESULTS

Total THC
0.531%

Total CBD
13.822%

Total Cannabinoids
17.131%

	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	EXO-THC	D9-THC	D8-THC	D10-THC	CBC	THCA	D8-THCO	D9-THCO
%	<0.01	14.752	0.645	0.073	0.885	0.023	ND	ND	0.11	0.038	ND	0.124	0.481	ND	ND
mg/g	<0.1	147.52	6.45	0.73	8.85	0.23	ND	ND	1.1	0.38	ND	1.24	4.81	ND	ND
LOD	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.002 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.002 %	0.002 %

Cannabinoid Profile Test

Analyzed by 113 | **Weight** 0.2051g | **Extraction date :** 11/17/21 03:11:46 | **Extracted By :** 143

Analysis Method -Expanded Measurement of Uncertainty: Flower Matrix d9-THC:12.7%, THCa: 9.5%, TOTAL THC 11.1%. These uncertainties represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor k=2 for a normal distribution.

Reviewed On - 11/17/21 16:11:41 | **Batch Date :** 11/16/21 15:21:51

Analytical Batch -KN001575POT **Instrument Used :** HPLC E-SHI-008 **Running On :**

Reagent	Dilution	Consums. ID
	40	

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.). *Based on FL action limits.

Filth — PASSED

Analyzed By	Weight	Extraction date	Extracted By
1692	0.5157g	11/16/21	1692

Analyte	LOD	Result
Filth and Foreign Material	0.3	ND

Analysis Method -SOP.T.40.013 **Batch Date :** 11/16/21 08:23:18
Analytical Batch -KN001566FIL **Reviewed On -** 11/16/21 08:56:12
Instrument Used : E-AMS-138 Microscope
Running On :

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. A SW-2T13 Stereo Microscope is use for inspection.

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Sue Ferguson
Lab Director

State License # n/a
ISO Accreditation # 17025:2017

Signature

11/19/21
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Kaycha Labs
Grape Soda 2021
N/A
Matrix : Flower

Certificate of Analysis

TESTED

TheCBGGurus

25 Locust Road
Harwinton, CT, 067914, US
Telephone: (860) 921-1466
Email: thecbggurus@gmail.com

Sample : KN11116001-004
Harvest/LOT ID: GS2021
Batch# : GS1
Sampled : 11/11/21
Ordered : 11/11/21

Sample Size Received : 10 gram
Total Weight/Volume : N/A
Completed : 11/19/21 **Expires:** 11/19/22
Sample Method : SOP Client Method

Terpenes

TESTED

Terpenes	LOD(%)	mg/g	%	Result (%)
TRANS-CARYOPHYLLENE	0.007	3.06	0.306	
GUAIOL	0.007	0.61	0.061	
LIMONENE	0.007	1.65	0.165	
LINALOOL	0.007	< 0.2	< 0.02	
NEROL	0.007	ND	ND	
OCIMENE	0.007	1.36	0.136	
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	< 0.2	< 0.02	
TERPINOLENE	0.007	ND	ND	
GERANYL ACETATE	0.007	ND	ND	
TRANS-NEROLIDOL	0.007	ND	ND	
VALENCENE	0.007	0.23	0.023	
ISOPULEGOL	0.007	ND	ND	
ALPHA-HUMULENE	0.007	0.94	0.094	
ALPHA-PINENE	0.007	3.51	0.351	
ALPHA-TERPINENE	0.007	ND	ND	
BETA-MYRCENE	0.007	16.88	1.688	
BETA-PINENE	0.007	1.25	0.125	
BORNEOL	0.013	ND	ND	
CAMPHENE	0.007	< 0.2	< 0.02	
CAMPHOR	0.013	ND	ND	
CARYOPHYLLENE OXIDE	0.007	0.26	0.026	
CEDROL	0.007	ND	ND	
ALPHA-BISABOLOL	0.007	1.94	0.194	
ALPHA-CEDRENE	0.007	ND	ND	
CIS-NEROLIDOL	0.007	ND	ND	
3-CARENE	0.007	ND	ND	
FENCHYL ALCOHOL	0.007	< 0.2	< 0.02	
HEXAHYDRO THYMOL	0.007	ND	ND	
EUCALYPTOL	0.007	ND	ND	
ISOBORNEOL	0.007	ND	ND	
FARNESENE	0.007	0.52	0.052	
FENCHONE	0.007	ND	ND	
GAMMA-TERPINENE	0.007	ND	ND	
GERANIOL	0.007	ND	ND	

Total (%) 3.236

Terpenes TESTED

Analyzed by	Weight	Extraction date	Extracted By
138	0.92213g	11/17/21 03:11:50	138

Analysis Method - SOP.T.40.090
Analytical Batch - KN001567TER
Reviewed On - 11/19/21 10:57:53
Instrument Used : E-SHI-109 Terpenes
Running On : 11/18/21 10:04:28
Batch Date : 11/16/21 09:09:48

Reagent	Dilution	Consums. ID
092221.02	9	P7473901 201230 947B9291.217 280083251

Terpenoid profile screening is performed using GC-MS with Liquid Injection (Gas Chromatography – Mass Spectrometer) which can screen 38 terpenes using Method SOP.T.40.090 Terpenoid Analysis Via GC-MS. Analytes ISO Pending

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Sue Ferguson
Lab Director

State License # n/a
ISO Accreditation # 17025:2017

Signature

11/19/21
Signed On

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Knoxville, TN, 37932, US
DEA Number: RK0595249

Kaycha Labs
Grape Soda 2021
N/A
Matrix : Flower

Certificate of Analysis

TESTED

TheCBGGurus

25 Locust Road
Harwinton, CT, 067914, US
Telephone: (860) 921-1466
Email: thecbggurus@gmail.com

Sample : KN11116001-004
Harvest/LOT ID: GS2021
Batch# : GS1
Sampled : 11/11/21
Ordered : 11/11/21

Sample Size Received : 10 gram
Total Weight/Volume : N/A
Completed : 11/19/21 **Expires:** 11/19/22
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	0.01	ppm	0.5	ND
CARBOFURAN	0.01	ppm	0.1	ND
CHLORANTRANILIPROLE	0.01	ppm	3	ND
CHLORMEQUAT CHLORIDE	0.01	ppm	3	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND
CLOFENTEZINE	0.01	ppm	0.5	ND
COUMAPHOS	0.01	ppm	0.1	ND
CYPERMETHRIN	0.01	ppm	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	0.01	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	0.01	ppm	3	ND
KRESOXIM-METHYL	0.01	ppm	1	ND
MALATHION	0.01	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	0.01	ppm	0.5	ND
OXAMYL	0.01	ppm	0.5	ND
PACLOBUTRAZOL	0.01	ppm	0.1	ND
PERMETHRINS	0.01	ppm	1	ND
PHOSMET	0.01	ppm	0.2	ND

Pesticides	LOD	Units	Action Level	Result
PIPERONYL BUTOXIDE	0.01	ppm	3	ND
PRALLETHRIN	0.01	ppm	0.4	ND
PROPICONAZOLE	0.01	ppm	1	ND
PROPOXUR	0.01	ppm	0.1	ND
PYRETHRINS	0.01	ppm	1	ND
PYRIDABEN	0.01	ppm	3	ND
SPINETORAM	0.01	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	0.01	ppm	1	ND
TOTAL SPINOSAD	0.01	ppm	3	ND
TRIFLOXYSTROBIN	0.01	ppm	3	ND

Pesticides — PASSED

Analyzed by
143

Weight
1.004g

Extraction date
11/16/21 04:11:24

Extracted By
143

Analysis Method - SOP.T.30.060, SOP.T.40.060 ,
Analytical Batch - KN001561PES

Reviewed On- 11/16/21 08:56:12

Instrument Used : E-SHI-125 Pesticides
Running On : 11/15/21 16:21:12

Batch Date : 11/15/21 12:43:36

Reagent	Dilution	Consums. ID
110821.R03 051021.04 092821.R10 110321.R20 110421.R01	100	200618634 947.271

Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 57 Pesticides. (Method: SOP.T.30.060 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.060 Procedure for Pesticide Quantification Using LCMS). Analytes ISO pending. *Based on FL action limits. *

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Grape Soda 2021
N/A
Matrix : Flower

Certificate of Analysis

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TheCBGGurus

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Harwinton, CT, 067914, US
Telephone: (860) 921-1466
Email: thecbggurus@gmail.com

Sample : KN11116001-004
Harvest/LOT ID: GS2021
Batch# : GS1
Sampled : 11/11/21
Ordered : 11/11/21

Sample Size Received : 10 gram
Total Weight/Volume : N/A
Completed : 11/19/21 **Expires:** 11/19/22
Sample Method : SOP Client Method

Microbials — PASSED

Analyte	LOD	Result
LISTERIA_MONOCYTOGENE		not present in 1 gram.
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_NIGER		not present in 1 gram.
ASPERGILLUS_TERREUS		not present in 1 gram.

Analysis Method -SOP.T.40.043
Analytical Batch -KN001565MIC Batch Date : 11/16/21 08:22:14
Instrument Used : E-HEW-069
Running On :

Analyzed by	Weight	Extraction date	Extracted By
1692	0.9861g	11/16/21 08:11:58	1692

Dilution

1

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
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
TOTAL MYCOTOXINS	0.002	ppm	ND	

Analysis Method -SOP.T.30.060, SOP.T.40.060
Analytical Batch -KN001562MYC | Reviewed On - 11/17/21 08:56:14
Instrument Used : E-SHI-125 Mycotoxins
Running On : 11/15/21 16:21:19
Batch Date : 11/15/21 12:44:38

Analyzed by	Weight	Extraction date	Extracted By
143	1.004g	11/16/21 04:11:22	143

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.060 for Sample Preparation and SOP.T40.060 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0 ppb). Total Aflatoxins (Aflotoxin B1, B2, G1, G2) must be <20µg/Kg. Ochratoxins must be <20µg/Kg. Analytes ISO pending. *Based on FL action limits.

Heavy Metals — TESTED

Reagent	Dilution	Consums. ID
100421.02	1	7226/0030021
092121.R22		210117060
080421.R13		
040521.R04		

Metal	LOD	Unit	Result	Action Level
ARSENIC-AS	0.02	ppm	0.053	1.5
CADMIUM-CD	0.02	ppm	0.111	0.5
MERCURY-HG	0.02	ppm	ND	3
LEAD-PB	0.02	ppm	1.749	0.5

Analyzed by	Weight	Extraction date	Extracted By
12	NA	NA	NA

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -KN001573HEA | Reviewed On - 11/17/21 18:48:02
Instrument Used : Metals ICP/MS
Running On :
Batch Date : 11/16/21 14:27:51

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. *Based on FL action limits.

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