10427 Cogdill Road, Suite 500
Knoxville, TN, 37932, US

Kaycha Labs
Cherry Bubblegum
N/A
Matrix: Flower

Certificate of Analysis

Sample:KN10212006-001
Harvest/Lot ID: CBF2020
Seed to Sale #N/A
Batch Date :10/24/20
Batch#: 0001
Sample Size Received: 12 gram
Retail Product Size: 1
Ordered : 02/04/21
sampled : 02/04/21
Completed: 02/19/21 Expires: 02/19/22
Sampling Method: SOP Client Method

Feb 19, 2021 | Hudson River Hemp LLC.

361 Shenandoah Road
Hopewell Junction, NY, 12533, US

TESTED

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

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

CANNABINOID RESULTS

Total THC
0.552%

Total CBD
13.926%

Total Cannabinoids
16.907%

	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	D9-THC	D8-THC	CBC	THCA
	ND	15.157 %	0.307%	0.054%	0.633%	0.028%	ND	0.080%	ND	0.107%	0.538%
	ND	151.570 mg/g	3.070 mg/g	0.540 mg/g	6.330 mg/g	0.280 mg/g	ND	0.800 mg/g	ND	1.070 mg/g	5.380 mg/g
LOD	0.01 %	0.01 %	0.01 %	0.01 %	0.01 %	0.01 %	0.01 %	0.01 %	0.01 %	0.01 %	0.01 %

Filth PASSED

Analyzed By	Weight	Extraction date	Extracted By
142	0.9180g	NA	NA

Analyte	LOD	Result
Filth and Foreign Material	0.3	ND

Analysis Method -SOP.T.40.013 **Batch Date :** 02/12/21 15:37:29
Analytical Batch -KN000411FIL **Reviewed On -** 02/16/21 17:50:04
Instrument Used : E-AMS-138 Microscope

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.

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
113	0.2541g	NA	NA

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 -** 02/16/21 16:20:47 **Batch Date :** 02/15/21 10:07:13
Analytical Batch -KN000419POT **Instrument Used :** HPLC E-SHI-008

Reagent	Dilution	Consums. ID
120320.R02	40	00298878
021521.R02		190909059
021521.R03		947.217

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.

Sue Ferguson
Lab Director

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

Signature

02/19/2021
Signed On

10427 Cogdill Road, Suite 500
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Kaycha Labs
Cherry Bubblegum
N/A
Matrix : Flower

Certificate of Analysis

TESTED

Hudson River Hemp LLC.

361 Shenandoah Road
Hopewell Junction, NY, 12533, US
Telephone: 9145893712
Email: info@hudsonriverhemp.com

Sample : KN10212006-001
Harvest/LOT ID: CBF2020
Batch# : 0001
Sampled : 02/04/21
Ordered : 02/04/21
Sample Size Received : 12 gram
Completed : 02/19/21 **Expires:** 02/19/22
Sample Method : SOP Client Method

Terpenes

TESTED

Terpenes	LOD (%)	mg/g	%	Result (%)
ALPHA-PHELLANDRENE	.02	ND	ND	
FENCHONE	.02	ND	ND	
GAMMA-TERPINENE	.02	ND	ND	
GERANIOL	.02	ND	ND	
GERANYL ACETATE	.02	ND	ND	
GUAIOL	.02	ND	ND	
LIMONENE	.02	0.8148	0.0814	
LINALOOL	.02	ND	ND	
NEROL	.02	ND	ND	
OCIMENE	.02	ND	ND	
FARNESENE	.02	2.0820	0.2082	
PULEGONE	.02	ND	ND	
SABINENE	.02	0.4656	0.0465	
SABINENE HYDRATE	.02	ND	ND	
TERPINEOL	.02	ND	ND	
TERPINOLENE	.02	ND	ND	
TRANS-CARYOPHYLLENE	.02	6.3527	0.6352	
TRANS-NEROLIDOL	.02	ND	ND	
VALENCENE	.02	ND	ND	
CEDROL	.02	ND	ND	
ALPHA-HUMULENE	.02	2.1904	0.2190	
ALPHA-PINENE	.02	1.0397	0.1039	
ALPHA-TERPINENE	.02	ND	ND	
BETA-MYRCENE	.02	7.8526	0.7852	
BETA-PINENE	.02	0.4575	0.0457	
BORNEOL	.04	ND	ND	
CAMPHENE	.02	ND	ND	
CAMPHOR	.04	ND	ND	
CARYOPHYLLENE OXIDE	.02	0.3098	0.0309	
ALPHA-CEDRENE	.02	ND	ND	
ALPHA-BISABOLOL	.02	1.2026	0.1202	
Total (%)		2.276		

Terpenes	LOD(%)	mg/g	%	Result (%)
ISOPULEGOL	.02	ND	ND	
CIS-NEROLIDOL	.02	ND	ND	
3-CARENE	.02	ND	ND	
FENCHYL ALCOHOL	.02	ND	ND	
HEXAHYDROTHYMOL	.02	ND	ND	
EUCALYPTOL	.02	ND	ND	
ISOBORNEOL	.02	ND	ND	

Terpenes

TESTED

Analyzed by	Weight	Extraction date	Extracted By
138	0.69641g	NA	NA

Analysis Method -SOP.T.40.090
Analytical Batch -KN000405TER **Reviewed On - 02/18/21 17:50:28**
Instrument Used : E-SHI-109 Terpenes
Running On : 02/15/21 08:46:08
Batch Date : 02/12/21 13:13:18

Reagent	Dilution	Consums. ID

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

Sue Ferguson
Lab Director

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

Signature

02/19/2021
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Kaycha Labs
Cherry Bubblegum
N/A
Matrix : Flower

Certificate of Analysis

TESTED

Hudson River Hemp LLC.

361 Shenandoah Road
Hopewell Junction, NY, 12533, US
Telephone: 9145893712
Email: info@hudsonriverhemp.com

Sample : KN10212006-001
Harvest/LOT ID: CBF2020
Batch# : 0001
Sampled : 02/04/21
Ordered : 02/04/21
Sample Size Received : 12 gram
Completed : 02/19/21 **Expires:** 02/19/22
Sample Method : SOP Client Method

Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Result
ABAMECTIN B1A	0.05	ppm	0.3	ND
ACEPHATE	0.05	ppm	3	ND
ACEQUINOCYL	0.05	ppm	2	ND
ACETAMIPRID	0.05	ppm	3	ND
ALDICARB	0.05	ppm	0.1	ND
AZOXYSTROBIN	0.05	ppm	3	ND
BIFENAZATE	0.05	ppm	3	ND
BIFENTHRIN	0.05	ppm	0.5	ND
BOSCALID	0.05	ppm	3	ND
CARBARYL	0.05	ppm	0.5	ND
CARBOFURAN	0.05	ppm	0.1	ND
CHLORANTRANILIPROLE	0.05	ppm	3	ND
CHLORMEQUAT CHLORIDE	0.05	ppm	3	ND
CHLORPYRIFOS	0.05	ppm	0.1	ND
CLOFENTEZINE	0.10	ppm	0.5	ND
COUMAPHOS	0.05	ppm	0.1	ND
CYPERMETHRIN	0.05	ppm	1	ND
DAMINOZIDE	0.05	ppm	0.1	ND
DIAZANON	0.05	ppm	0.2	ND
DICHLORVOS	0.05	ppm	0.1	ND
DIMETHOATE	0.05	ppm	0.1	ND
DIMETHOMORPH	0.10	ppm	3	ND
ETHOPROPHOS	0.05	ppm	0.1	ND
ETOFENPROX	0.05	ppm	0.1	ND
ETOXAZOLE	0.05	ppm	1.5	ND
FENHEXAMID	0.05	ppm	3	ND
FENOXYCARB	0.05	ppm	0.1	ND
FENPYROXIMATE	0.05	ppm	2	ND
FIPRONIL	0.05	ppm	0.1	ND
FLONICAMID	0.05	ppm	2	ND
FLUDIOXONIL	0.05	ppm	3	ND
HEXYTHIAZOX	0.05	ppm	2	ND
IMAZALIL	0.05	ppm	0.1	ND
IMIDACLOPRID	0.05	ppm	3	ND
KRESOXIM-METHYL	0.05	ppm	1	ND
MALATHION	0.05	ppm	2	ND
METALAXYL	0.05	ppm	3	ND
METHIOCARB	0.05	ppm	0.1	ND
METHOMYL	0.05	ppm	0.1	ND
MEVINPHOS	0.05	ppm	0.1	ND
MYCLOBUTANIL	0.05	ppm	3	ND
NALED	0.05	ppm	0.5	ND
OXAMYL	0.05	ppm	0.5	ND
PACLOBUTRAZOL	0.05	ppm	0.1	ND
PERMETHRINS	0.05	ppm	1	ND
PHOSMET	0.05	ppm	0.2	ND

Pesticides	LOD	Units	Action Level	Result
PIPERONYL BUTOXIDE	0.05	ppm	3	ND
PRALLETHRIN	0.05	ppm	0.4	ND
PROPICONAZOLE	0.05	ppm	1	ND
PROPOXUR	0.05	ppm	0.1	ND
PYRETHRINS	0.05	ppm	1	ND
PYRIDABEN	0.10	ppm	3	ND
SPINETORAM	0.05	ppm	3	ND
SPIROMESIFEN	0.05	ppm	3	ND
SPIROTETRAMAT	0.05	ppm	3	ND
SPIROXAMINE	0.05	ppm	0.1	ND
TEBUCONAZOLE	0.05	ppm	1	ND
THIACLOPRID	0.05	ppm	0.1	ND
THIAMETHOXAM	0.05	ppm	1	ND
TOTAL SPINOSAD	0.02	ppm	3	ND
TRIFLOXYSTROBIN	0.05	ppm	3	ND

Pesticides — PASSED

Analyzed by
143

Weight
1.0045g

Extraction date
02/15/21 09:02:24

Extracted By
143

Analysis Method - SOP.T.30.060, SOP.T.40.060 ,
Analytical Batch - KN000414PES

Reviewed On- 02/16/21 17:50:04

Instrument Used : E-SHI-125 Pesticides
Running On : 02/15/21 10:55:14

Batch Date : 02/15/21 09:32:12

Reagent	Dilution	Consums. ID
	10	

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. *

Sue Ferguson
Lab Director

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

Signature

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Signed On

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Kaycha Labs
Cherry Bubblegum
N/A
Matrix : Flower

Certificate of Analysis

TESTED

Hudson River Hemp LLC.

361 Shenandoah Road
Hopewell Junction, NY, 12533, US
Telephone: 9145893712
Email: info@hudsonriverhemp.com

Sample : KN10212006-001
Harvest/LOT ID: CBF2020
Batch# : 0001
Sampled : 02/04/21
Ordered : 02/04/21
Sample Size Received : 12 gram
Completed : 02/19/21 **Expires:** 02/19/22
Sample Method : SOP Client Method

Microbials — PASSED

Analyte	LOD	Result
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.
TOTAL YEAST AND MOLD	100	< 100 CFU

Analysis Method -SOP.T.40.043
Analytical Batch -KN000440MIC , KN000430TYM Batch Date : 02/17/21, 02/16/21
Instrument Used : Micro E-HEW-069, Micro E-HEW-069
Running On : 02/18/21, 02/16/21

Analyzed by	Weight	Extraction date	Extracted By
142, 142	0.9521g	NA	NA,

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	0.005	ppm	ND	0.02
AFLATOXIN G1	0.005	ppm	ND	0.02
AFLATOXIN B2	0.005	ppm	ND	0.02
AFLATOXIN B1	0.005	ppm	ND	0.02
OCHRATOXIN A+	0.005	ppm	ND	0.02
TOTAL MYCOTOXINS		ppm	0.000	

Analysis Method -SOP.T.30.060, SOP.T.40.060
Analytical Batch -KN000415MYC | Reviewed On - 02/15/21 14:04:42
Instrument Used : E-SHI-125 Mycotoxins
Running On : 02/15/21 10:55:21
Batch Date : 02/15/21 09:32:48

Analyzed by	Weight	Extraction date	Extracted By
143	1.0045g	02/15/21 02:02:47	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 — PASSED

Reagent	Dilution	Consums. ID
012221.R13	50	7226/0030021
011521.R01		190428060
012221.R12		
123020.R01		
012221.R14		

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC-AS	0.04	ppm	ND	1.5
CADMIUM-CD	0.04	ppm	0.449	0.5
MERCURY-HG	0.04	ppm	ND	3
LEAD-PB	0.04	ppm	0.125	0.5

Analyzed by	Weight	Extraction date	Extracted By
12	0.2516g	NA	NA

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -KN000425HEA | Reviewed On - 02/16/21 15:15:24
Instrument Used : Metals ICP/MS
Running On :
Batch Date : 02/15/21 19:37:59

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. Analytes ISO Pending. *Based on FL action limits.

Sue Ferguson
Lab Director

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

Signature

02/19/2021
Signed On