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

Kaycha Labs

Bubba Kush
N/A
Matrix: Derivative

Certificate of Analysis

Sample:KN20223016-006
Harvest/Lot ID: 202202
Batch#: BubbaHHC202202
Seed to Sale# N/A
Batch Date: 02/01/22
Sample Size Received: 12 gram
Total Weight/Volume: N/A
Retail Product Size: 3.5 gram
ordered : 02/16/22
sampled : 02/16/22
Completed: 03/01/22 Expires: 03/01/23
Sampling Method: SOP Client Method

Mar 01, 2022 | CannaBuddy

10800 Independence Pointe Pkwy
Matthews, NC, 28105, 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
NOT TESTED

CANNABINOID RESULTS

Total HHC
6.821%

Total CBD
10.867%

Total Cannabinoids
20.463%

	TOTAL THC	TOTAL CBD	TOTAL CBG	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	EXO-THC	D9-THC	D8-THC	D10-THC	CBC	THCA	D8-THCO	D9-THCO	THC-O
%	0.013	10.867	0.514	<0.01	11.7	0.525	0.054	0.607	0.012	0.01	ND	0.013	0.721	ND	ND	ND	ND	ND	ND
mg/g	0.13	108.67	5.14	<0.1	117	5.25	0.54	6.07	0.12	0.1	ND	0.13	7.21	ND	ND	ND	ND	ND	ND
LOD	0.001 %	0.001 %	0.001 %	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 %	0.002 %

Filth **PASSED**

Analyzed By	Weight	Extraction date	Extracted By
1	0.5559g	02/24/22	1692

Analyte	LOD	Pass/Fail	Result
Filth and Foreign Material	0.3	Pass	ND

Analysis Method -SOP.T.40.013 **Batch Date :** 02/23/22 16:17:49
Analytical Batch -KN002005FIL **Reviewed On -** 02/24/22 13:21:37
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.

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
113	0.2041g	02/24/22 04:02:51	113

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 -** 02/25/22 14:49:16
Analytical Batch -KN002010POT **Instrument Used :** HPLC E-SHI-008 **Running On :** **Batch Date :** 02/24/22 10:31:14

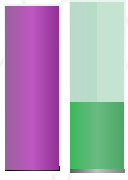
Reagent	Dilution	Consumables ID
081321.R04	40	947.271
022122.R01		12123-046CC-046
021622.R03		

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV/PDA detection (HPLC-UV/PDA). (Method: SOP.T.30.031.TN for sample prep and Shimadzu High Sensitivity Method SOP.T.40.031 for analysis.). *Based on FL action limits.

Total HHC

PASSED

Analyte	LOD	Units	Result	Pass/Fail	Action Level
9S-HHC	0.01	%	4.698		
9R-HHC	0.01	%	2.123		
TOTAL HHC	0.01	%	6.821		



	9S-HHC	9R-HHC
%	4.698	2.123
mg/g	46.98	21.23
LOD	0.01%	0.01%

Analytical Batch -KN002013OTH
Instrument Used : E-SHI-109 **Reviewed On -** 02/28/22 12:05:43
Batch Date : 02/24/22 15:31:19 **Running On :**

Sue Ferguson
Lab Director

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

Signature

03/01/22
Signed On

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DEA Number: RK0595249

Kaycha Labs
Bubba Kush
N/A
Matrix : Derivative

Certificate of Analysis

PASSED

CannaBuddy

10800 Independence Pointe Pkwy
Matthews, NC, 28105, US
Telephone: (704) 776-3205
Email: margaret.mccrady@cannabuddy.com

Sample : KN20223016-006
Harvest/Lot ID: 202202
Batch# : BubbaHHC202202
Sampled : 02/16/22
Ordered : 02/16/22

Sample Size Received : 12 gram
Total Weight/Volume : N/A
Completed : 03/01/22 **Expires:** 03/01/23
Sample Method : SOP Client Method

Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Pass/Fail	Result
ABAMECTIN B1A	0.01	ppm	0.3	PASS	ND
ACEPHATE	0.01	ppm	3	PASS	ND
ACEQUINOCYL	0.01	ppm	2	PASS	ND
ACETAMIPRID	0.01	ppm	3	PASS	ND
ALDICARB	0.01	ppm	0.1	PASS	ND
AZOXYSTROBIN	0.01	ppm	3	PASS	<0.05
BIFENAZATE	0.01	ppm	3	PASS	ND
BIFENTHRIN	0.01	ppm	0.5	PASS	ND
BOSCALID	0.01	ppm	3	PASS	ND
CARBARYL	0.01	ppm	0.5	PASS	ND
CARBOFURAN	0.01	ppm	0.1	PASS	ND
CHLORANTRANILIPROLE	0.01	ppm	3	PASS	1.829
CHLORMEQUAT CHLORIDE	0.01	ppm	3	PASS	ND
CHLORPYRIFOS	0.01	ppm	0.1	PASS	ND
CLOFENTEZINE	0.01	ppm	0.5	PASS	ND
COUMAPHOS	0.01	ppm	0.1	PASS	ND
CYPERMETHRIN	0.01	ppm	1	PASS	ND
DAMINOZIDE	0.01	ppm	0.1	PASS	ND
DIAZANON	0.01	ppm	0.2	PASS	ND
DICHLORVOS	0.01	ppm	0.1	PASS	ND
DIMETHOATE	0.01	ppm	0.1	PASS	ND
DIMETHOMORPH	0.01	ppm	3	PASS	ND
ETHOPROPHOS	0.01	ppm	0.1	PASS	ND
ETOFENPROX	0.01	ppm	0.1	PASS	ND
ETOXAZOLE	0.01	ppm	1.5	PASS	ND
FENHEXAMID	0.01	ppm	3	PASS	ND
FENOXYCARB	0.01	ppm	0.1	PASS	ND
FENPYROXIMATE	0.01	ppm	2	PASS	ND
FIPRONIL	0.01	ppm	0.1	PASS	ND
FLONICAMID	0.01	ppm	2	PASS	ND
FLUDIOXONIL	0.01	ppm	3	PASS	ND
HEXYTHIAZOX	0.01	ppm	2	PASS	ND
IMAZALIL	0.01	ppm	0.1	PASS	ND
IMIDACLOPRID	0.01	ppm	3	PASS	ND
KRESOXIM-METHYL	0.01	ppm	1	PASS	ND
MALATHION	0.01	ppm	2	PASS	ND
METALAXYL	0.01	ppm	3	PASS	ND
METHIOCARB	0.01	ppm	0.1	PASS	ND
METHOMYL	0.01	ppm	0.1	PASS	ND
MEVINPHOS	0.01	ppm	0.1	PASS	ND
MYCLOBUTANIL	0.01	ppm	3	PASS	ND
NALED	0.01	ppm	0.5	PASS	ND
OXAMYL	0.01	ppm	0.5	PASS	ND
PACLOBUTRAZOL	0.01	ppm	0.1	PASS	ND
PERMETHRINS	0.01	ppm	1	PASS	0.228
PHOSMET	0.01	ppm	0.2	PASS	ND
PIPERONYL BUTOXIDE	0.01	ppm	3	PASS	ND
PRALLETHRIN	0.01	ppm	0.4	PASS	ND
PROPICONAZOLE	0.01	ppm	1	PASS	ND
PROPOXUR	0.01	ppm	0.1	PASS	ND
PYRETHRINS	0.01	ppm	1	PASS	ND
PYRIDABEN	0.01	ppm	3	PASS	ND
SPINETORAM	0.01	ppm	3	PASS	ND
SPIROMESIFEN	0.01	ppm	3	PASS	ND
SPIROTETRAMAT	0.01	ppm	3	PASS	ND
SPIROXAMINE	0.01	ppm	0.1	PASS	ND
TEBUCONAZOLE	0.01	ppm	1	PASS	ND
THIACLOPRID	0.01	ppm	0.1	PASS	ND
THIAMETHOXAM	0.01	ppm	1	PASS	ND
TOTAL SPINOSAD	0.01	ppm	3	PASS	0.107
TRIFLOXYSTROBIN	0.01	ppm	3	PASS	1.474

Pesticides

PASSED

Analyzed by 143
Weight 0.5398g
Extraction date 02/24/22 01:02:50
Extracted By 143

Analysis Method - SOP.T.30.060, SOP.T.40.060,
Analytical Batch - KN002007PES
Reviewed On - 02/24/22 13:21:37

Instrument Used : E-SHI-125 Pesticides
Running On : 02/24/22 13:50:27
Batch Date : 02/24/22 08:11:40

Reagent	Dilution	Consumables ID
020322.R13	10	210419634
110521.03		947.271
011822.R09		
021722.R02		
021722.R01		
020922.R08		

Pesticide analysis is performed using LC-MSMS which can quantify down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 61 Pesticides. (Methods: SOP.T.30.065 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.065 Procedure for Pesticide Quantification Using LCMSMS). *Based on FL action limits. *

Sue Ferguson
Lab Director

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

Signature

03/01/22
Signed On

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Knoxville, TN, 37932, US
DEA Number: RK0595249

Kaycha Labs

Bubba Kush
N/A
Matrix : Derivative

Certificate of Analysis

PASSED

CannaBuddy

10800 Independence Pointe Pkwy
Matthews, NC, 28105, US
Telephone: (704) 776-3205
Email: margaret.mccrady@cannabuddy.com

Sample : KN20223016-006
Harvest/Lot ID: 202202
Batch# : BubbaHHC202202
Sampled : 02/16/22
Odered : 02/16/22

Sample Size Received : 12 gram
Total Weight/Volume : N/A
Completed : 03/01/22 **Expires:** 03/01/23
Sample Method : SOP Client Method

Residual Solvents

PASSED

Solvent	LOD	Units	Action Level	Pass/Fail	Result
PROPANE	500	ppm	2100	PASS	ND
BUTANES (N-BUTANE)	500	ppm	2000	PASS	ND
METHANOL	25	ppm	3000	PASS	60.343
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
PENTANES (N-PENTANE)	75	ppm	5000	PASS	ND
ETHANOL	500	ppm	5000	PASS	ND
ETHYL ETHER	50	ppm	5000	PASS	ND
1,1-DICHLOROETHENE	0.8	ppm	8	PASS	ND
ACETONE	75	ppm	5000	PASS	ND
2-PROPANOL	50	ppm	500	PASS	ND
ACETONITRILE	6	ppm	410	PASS	ND
DICHLOROMETHANE	12.5	ppm	600	PASS	ND
N-HEXANE	25	ppm	290	PASS	ND
ETHYL ACETATE	40	ppm	5000	PASS	ND
CHLOROFORM	0.2	ppm	60	PASS	ND
BENZENE	0.1	ppm	2	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	5	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
TRICHLOROETHYLENE	2.5	ppm	80	PASS	ND
TOLUENE	15	ppm	890	PASS	ND
TOTAL XYLENES - M, P & O - DIMETHYLBENZENE	15	ppm	2170	PASS	ND

Residual Solvents

PASSED

Analyzed by	Weight	Extraction date	Extracted By
12	0.0271g	02/23/22 04:02:06	138

Analysis Method -SOP.T.40.032
Analytical Batch -KN001999SOL
Instrument Used : E-SHI-106 Residual Solvents
Running On : 02/23/22 16:34:14
Batch Date : 02/23/22 10:13:15

Reviewed On - 02/24/22 15:50:07

Reagent	Dilution	Consumables ID
	1	R2017.099 G201.120

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 22 residual solvents. (Method: SOP.T.40.032 Residual Solvents Analysis via GC-MS). Analytes ISO pending. *Based on FL action limits.

Sue Ferguson
Lab Director

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

Signature

03/01/22
Signed On

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

Kaycha Labs
Bubba Kush
N/A
Matrix : Derivative

Certificate of Analysis

PASSED

CannaBuddy

10800 Independence Pointe Pkwy
Matthews, NC, 28105, US
Telephone: (704) 776-3205
Email: margaret.mccrady@cannabuddy.com

Sample : KN20223016-006
Harvest/Lot ID: 202202
Batch# : BubbaHHC202202
Sampled : 02/16/22
Ordered : 02/16/22

Sample Size Received : 12 gram
Total Weight/Volume : N/A
Completed : 03/01/22 **Expires:** 03/01/23
Sample Method : SOP Client Method

Microbials — PASSED

Analyte	LOD	Result	Pass / Fail
ESCHERICHIA COLI SHIGELLA SPP		not present in 1 gram.	PASS
SALMONELLA SPECIFIC GENE		not present in 1 gram.	PASS
ASPERGILLUS FLAVUS		not present in 1 gram.	PASS
ASPERGILLUS FUMIGATUS		not present in 1 gram.	PASS
ASPERGILLUS NIGER		not present in 1 gram.	PASS
ASPERGILLUS TERREUS		not present in 1 gram.	PASS

Analysis Method -SOP.T.40.043
Analytical Batch -KN002011MIC Batch Date : 02/24/22 11:03:18
Instrument Used : Micro E-HEW-069
Running On :

Analyzed by	Weight	Extraction date	Extracted By
1	1.0353g	02/24/22 01:02:28	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	Pass / Fail	Action Level
AFLATOXIN G2	0.002	ppm	ND	PASS	0.02
AFLATOXIN G1	0.002	ppm	ND	PASS	0.02
AFLATOXIN B2	0.002	ppm	ND	PASS	0.02
AFLATOXIN B1	0.002	ppm	ND	PASS	0.02
OCHRATOXIN A+	0.002	ppm	ND	PASS	0.02
TOTAL MYCOTOXINS	0.002	ppm	ND	PASS	

Analysis Method -SOP.T.30.060, SOP.T.40.060
Analytical Batch -KN002008MYC | Reviewed On - 02/25/22 10:19:11
Instrument Used : E-SHI-125 Mycotoxins
Running On : 02/24/22 13:52:08 | Batch Date : 02/24/22 10:24:25

Analyzed by	Weight	Extraction date	Extracted By
143	0.5398g	02/24/22 01:02:24	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

Metal	LOD	Unit	Result	Pass / Fail	Action Level
ARSENIC-AS	0.02	ppm	<LOQ	PASS	1.5
CADMIUM-CD	0.02	ppm	0.127	PASS	0.5
MERCURY-HG	0.02	ppm	ND	PASS	3
LEAD-PB	0.02	ppm	0.378	PASS	0.5

Analyzed by	Weight	Extraction date	Extracted By
12	7g	NA	NA

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -KN002009HEA | Reviewed On - 02/25/22 15:25:12
Instrument Used : Metals ICP/MS
Running On : | Batch Date : 02/24/22 10:30:45

Reagent	Dilution	Consums. ID
121421.03 011022.R08 020422.R07 011022.R07	1	107702-05-081520 12235-110CD-110C

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.

Sue Ferguson
Lab Director

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

Signature

03/01/22
Signed On