



# Certificate of Analysis

Sample:KN11111001-001

Harvest/Lot ID: 020321

Batch#: 020321

Seed to Sale# N/A

Batch Date: N/A

Sample Size Received: 60 ml

Total Weight/Volume: N/A

Retail Product Size: 60 ml

Ordered : 10/27/21

sampled : 10/27/21

Completed: 11/17/21 Expires: 11/17/22

Sampling Method: SOP Client Method

**PASSED**

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Nov 17, 2021 | cbd dog health

163 Carts Lake Lane  
Lutz, FL, 33548, US

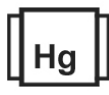
## PRODUCT IMAGE



## SAFETY RESULTS



Pesticides  
**PASSED**



Heavy Metals  
**PASSED**



Microbials  
**PASSED**



Mycotoxins  
**PASSED**



Residuals  
Solvents  
**PASSED**



Filtration  
**PASSED**



Water Activity  
**NOT TESTED**



Moisture  
**NOT TESTED**



Terpenes  
**TESTED**

## MISC.

## CANNABINOID RESULTS



Total THC

**0.051%**

TOTAL THC/Bottle :29.376 mg



Total CBD

**1.112%**

TOTAL CBD/Bottle :640.512 mg



Total Cannabinoids

**1.311%**

Total Cannabinoids/Bottle :755.136 mg

	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	EXO-THC	D9-THC	D8-THC	D10-THC	CBC	THCA	D8-THCO	D9-THCO
%	0.012	ND	<0.01	0.083	1.112	ND	<0.01	ND	0.051	ND	ND	0.053	ND	ND	ND
mg/g	0.12	ND	<0.1	0.83	11.12	ND	<0.1	ND	0.51	ND	ND	0.53	ND	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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%

Filtration	PASSED
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Analyzed By	Weight	Extraction date	Extracted By
1692	0.6412g	NA	NA
Analyte	LOD	Result	
Filtration and Foreign Material	0.3	ND	
Analysis Method -SOP.T.40.013 Batch Date : 11/11/21 11:20:35			
Analytical Batch -KN001551FIL Reviewed On - 11/11/21 11:21:35			
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-2113 Stereo Microscope is used for inspection.			

## Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
113	0.2124g	11/11/21 05:11:05	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 - 11/12/21 14:58:12 Batch Date : 11/11/21 12:34:05			
Analytical Batch -KN001552POT Instrument Used : HPLC E-SHI-008 Running On : 11/11/21 17:45:51			
Reagent	Dilution	Consums. ID	
081321.R04	40	947.271, 89291.271	
111021.R03		0030220	
102821.R09			

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.

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is an Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=In-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit Of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds for human safety for consumption and/or inhalation. The result >99% are variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on F.S. Rule 64-4.310.

Sue Ferguson  
Lab Director

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

*Sue Ferguson*  
Signature

11/17/21

Signed On



# Certificate of Analysis

**PASSED**
**cbd dog health**

 163 Carts Lake Lane  
 Lutz, FL, 33548, US  
**Telephone:** (786) 314-9092  
**Email:** joe@cbdogghealth.com

**Sample : KN11111001-001**
**Harvest/LOT ID: 020321**
**Batch# : 020321**
**Sampled : 10/27/21**
**Ordered : 10/27/21**
**Sample Size Received : 60 ml**
**Total Weight/Volume : N/A**
**Completed : 11/17/21 Expires: 11/17/22**
**Sample Method : SOP Client Method**

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## Terpenes

**TESTED**

Terpenes	LOD(%)	mg/g	%	Result (%)	Terpenes	LOD(%)	mg/g	%	Result (%)
TRANS-CARYOPHYLLENE	0.007	< 0.2	< 0.02		HEXAHYDRO	0.007	ND	ND	
GUAIOL	0.007	ND	ND		THYMOL				
LIMONENE	0.007	0.52	0.052		EUCALYPTOL	0.007	0.22	0.022	
LINALOOL	0.007	ND	ND		ISOBORNEOL	0.007	ND	ND	
NEROL	0.007	ND	ND		FARNESENE	0.007	< 0.2	< 0.02	
OCIMENE	0.007	ND	ND		FENCHONE	0.007	ND	ND	
ALPHA-PHELLANDRENE	0.007	0.43	0.043		GAMMA-	0.007	ND	ND	
PULEGONE	0.007	ND	ND		TERPINENE				
SABINENE	0.007	0.55	0.055		GERANIOL	0.007	ND	ND	
SABINENE HYDRATE	0.007	ND	ND						
TERPINEOL	0.007	ND	ND						
TERPINOLENE	0.007	ND	ND						
GERANYL ACETATE	0.007	ND	ND						
TRANS-NEROLIDOL	0.007	ND	ND						
VALENCENE	0.007	ND	ND						
ISOPULEGOL	0.007	ND	ND						
ALPHA-HUMULENE	0.007	ND	ND						
ALPHA-PINENE	0.007	0.75	0.075						
ALPHA-TERPINENE	0.007	ND	ND						
BETA-MYRCENE	0.007	< 0.2	< 0.02						
BETA-PINENE	0.007	ND	ND						
BORNEOL	0.013	ND	ND						
CAMPHENE	0.007	ND	ND						
CAMPOR	0.013	ND	ND						
CARYOPHYLLENE OXIDE	0.007	ND	ND						
CEDROL	0.007	ND	ND						
ALPHA-BISABOOL	0.007	< 0.2	< 0.02						
ALPHA-CEDRENE	0.007	ND	ND						
CIS-NEROLIDOL	0.007	ND	ND						
3-CARENE	0.007	0.48	0.048						
FENCHYL ALCOHOL	0.007	ND	ND						
<b>Total (%)</b>		<b>0.312</b>							



## Terpenes

**TESTED**

Analyzed by 138 Weight 0.99452g Extraction date 11/11/21 04:11:40 Extracted By 138

Analysis Method -SOP.T.40.090 Analytical Batch -KN001550TER Reviewed On - 11/16/21 11:06:26

Instrument Used : E-SHI-109 Terpenes

Running On :

Batch Date : 11/11/21 09:59:25

Reagent	Dilution	Consums. ID
092221.02	10	P7473901
		201230
		94789291.217
		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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cbd dog health

 163 Carts Lake Lane  
 Lutz, FL, 33548, US  
 Telephone: (786) 314-9092  
 Email: joe@cbddoghealth.com

Sample : KN11111001-001

Harvest/LOT ID: 020321

Batch# : 020321

Sampled : 10/27/21

Ordered : 10/27/21

Sample Size Received : 60 ml

Total Weight/Volume : N/A

Completed : 11/17/21 Expires: 11/17/22

Sample Method : SOP Client Method

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## Pesticides

**PASSED**

Pesticides	LOD	Units	Action Level	Result	Pesticides	LOD	Units	Action Level	Result
ABAMECTIN B1A	0.01	ppm	0.3	ND	PIPERONYL BUTOXIDE	0.01	ppm	3	ND
ACEPHATE	0.01	ppm	3	ND	PRALLETHRIN	0.01	ppm	0.4	ND
ACEQUINOCL	0.01	ppm	2	ND	PROPICONAZOLE	0.01	ppm	1	ND
ACETAMIPRID	0.01	ppm	3	ND	PROPOXUR	0.01	ppm	0.1	ND
ALDICARB	0.01	ppm	0.1	ND	PYRETHRINS	0.01	ppm	1	ND
AZOXYSTROBIN	0.01	ppm	3	ND	PYRIDABEN	0.01	ppm	3	ND
BIFENAZATE	0.01	ppm	3	ND	SPINETORAM	0.01	ppm	3	ND
BIFENTHRIN	0.01	ppm	0.5	ND	SPIROMESIFEN	0.01	ppm	3	ND
BOSCALID	0.01	ppm	3	ND	SPIROTETRAMAT	0.01	ppm	3	ND
CARBARYL	0.01	ppm	0.5	ND	SPIROXAMINE	0.01	ppm	0.1	ND
CARBOFURAN	0.01	ppm	0.1	ND	TEBUCONAZOLE	0.01	ppm	1	ND
CHLORANTRANILIPROLE	0.01	ppm	3	ND	THIACLOPRID	0.01	ppm	0.1	ND
CHLORMEQUAT CHLORIDE	0.01	ppm	3	ND	THIAMETHOXAM	0.01	ppm	1	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND	TOTAL SPINOSAD	0.01	ppm	3	ND
CLOFENTHIZINE	0.01	ppm	0.5	ND	TRIFLOXYSTROBIN	0.01	ppm	3	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

**PASSED**

<b>Analyzed by</b> 143	<b>Weight</b> 1.0096g	<b>Extraction date</b> 11/12/21 10:11:45	<b>Extracted By</b> 143
<b>Analysis Method</b> - SOP.T.30.060, SOP.T.40.060 , <b>Analytical Batch</b> - KN001556PES			<b>Reviewed On</b> - 11/11/21 11:21:35
<b>Instrument Used</b> : E-SHI-125 Pesticides <b>Running On</b> : 11/12/21 16:48:12			<b>Batch Date</b> : 11/12/21 09:57:52
<b>Reagent</b> 101321.R02 091021.R04 092821.R10 110321.R20 110421.R01	<b>Dilution</b> 100	<b>Consums. ID</b> 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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**cbd dog health**

 163 Carts Lake Lane  
 Lutz, FL, 33548, US  
**Telephone:** (786) 314-9092  
**Email:** joe@cbddoghealth.com

**Sample : KN11111001-001**
**Harvest/LOT ID: 020321**
**Batch# : 020321**
**Sampled : 10/27/21**
**Ordered : 10/27/21**
**Sample Size Received : 60 ml**
**Total Weight/Volume : N/A**
**Completed : 11/17/21 Expires: 11/17/22**
**Sample Method : SOP Client Method**

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	<b>Residual Solvents</b>	<b>PASSED</b>
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	<b>Residual Solvents</b>	<b>PASSED</b>
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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	ND
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	15	ppm	2170	PASS	ND
- DIMETHYLBENZENE					

**Analyzed by** 138    **Weight** 0.02526g    **Extraction date** 11/11/21 03:11:54    **Extracted By** 138  
**Analysis Method -SOP.T.40.032**  
**Analytical Batch -KN001549SOL**    **Reviewed On - 11/16/21 11:14:56**  
**Instrument Used : E-SHI-106 Residual Solvents**  
**Running On :**  
**Batch Date : 11/11/21 09:54:58**

Reagent	Dilution	Consums. ID
	1	

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.



# Certificate of Analysis

**PASSED**
**cbd dog health**

 163 Carts Lake Lane  
 Lutz, FL, 33548, US  
**Telephone:** (786) 314-9092  
**Email:** joe@cbdogghealth.com

**Sample : KN11111001-001**
**Harvest/LOT ID: 020321**
**Batch# : 020321**
**Sampled : 10/27/21**
**Ordered : 10/27/21**
**Sample Size Received : 60 ml**
**Total Weight/Volume : N/A**
**Completed : 11/17/21 Expires: 11/17/22**
**Sample Method : SOP Client Method**

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## Microbials

**PASSED**
**Analyte**

 LISTERIA\_MONOCYTOGENE  
 ESCHERICHIA\_COLI\_SHIGELLA\_SPP  
 SALMONELLA\_SPECIFIC\_GENE  
 ASPERGILLUS\_FLAVUS  
 ASPERGILLUS\_FUMIGATUS  
 ASPERGILLUS\_NIGER  
 ASPERGILLUS\_TERREUS

**LOD**
**Result**

 not present in 1 gram.  
 not present in 1 gram.  
 not present in 1 gram.  
 not present in 1 gram.  
 not present in 1 gram.  
 not present in 1 gram.  
 not present in 1 gram.

**Analysis Method -SOP.T.40.043**
**Analytical Batch -KN001553MIC Batch Date : 11/11/21 12:47:58**
**Instrument Used :**
**Running On :**
**Analyzed by**  
 1692

**Weight**  
 0.9883g

**Extraction date**  
 11/12/21 08:11:05

**Extracted By**  
 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**

 AFLATOXIN G2  
 AFLATOXIN G1  
 AFLATOXIN B2  
 AFLATOXIN B1  
 OCHRATOXIN A+  
 TOTAL MYCOTOXINS

**LOD**
**Units**
**Result**
**Action Level**

 0.002 ppm ND 0.02  
 0.002 ppm ND 0.02  
 0.002 ppm ND 0.02  
 0.002 ppm ND 0.02  
 0.002 ppm ND 0.02  
 0.002 ppm ND

**Analysis Method -SOP.T.30.060, SOP.T.40.060**
**Analytical Batch -KN001557MYC | Reviewed On - 11/15/21 16:17:51**
**Instrument Used : E-SHI-125 Mycotoxins**
**Running On : 11/12/21 16:49:39**
**Batch Date : 11/12/21 09:58:51**
**Analyzed by**  
 143

**Weight**  
 1.0096g

**Extraction date**  
 11/12/21 04:11:16

**Extracted By**  
 143

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.060 for Sample Preparation and SOP.T.40.060 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0 ppb). Total Aflatoxins (Aflatoxin 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**

 100421.02  
 092121.R22  
 080421.R13  
 040521.R04

**Dilution**

50

**Consums. ID**

 7226/0030021  
 210117060

**Metal**
**LOD**
**Unit**
**Result**
**Action Level**

 ARSENIC-AS 0.02 ppm ND 1.5  
 CADMIUM-CD 0.02 ppm ND 0.5  
 MERCURY-HG 0.02 ppm ND 3  
 LEAD-PB 0.02 ppm ND 0.5

**Analyzed by**  
 12

**Weight**  
 0.2602g

**Extraction date**  
 11/17/21 06:11:32

**Extracted By**  
 12

**Analysis Method -SOP.T.40.050, SOP.T.30.052**
**Analytical Batch -KN001542HEA | Reviewed On - 11/17/21 18:32:03**
**Instrument Used : Metals ICP/MS**
**Running On :**
**Batch Date : 11/09/21 15:18:39**

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.