



# Certificate of Analysis

Oct 04, 2021 | cbd dog health

163 Carts Lake Lane  
Lutz, FL, 33548, US

Sample:KN10928009-002

Harvest/Lot ID: 070321

Seed to Sale# N/A

Batch Date: N/A

Batch#: 070321-1

Sample Size Received: 56.7 gram

Total Weight/Volume: N/A

Retail Product Size: 56.7 gram

Ordered : 09/20/21

sampled : 09/20/21

Completed: 10/04/21 Expires: 10/04/22

Sampling Method: SOP Client Method

**PASSED**

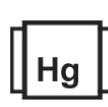
Page 1 of 5

PRODUCT IMAGE

SAFETY RESULTS



Pesticides  
**PASSED**



Heavy Metals  
**PASSED**



Microbials  
**PASSED**



Mycotoxins  
**PASSED**



Residuals/Solvents  
**PASSED**



Filth  
**PASSED**



Water Activity  
NOT TESTED



Moisture  
NOT TESTED



Terpenes  
**TESTED**

MISC.

CANNABINOID RESULTS



Total THC

**0.03%**

TOTAL THC/Container : 17.294 mg



Total CBD

**0.636%**

TOTAL CBD/Container : 360.895 mg



Total Cannabinoids

**0.72%**

Total Cannabinoids/Container : 408.467 mg



Filth

**PASSED**

Analyzed By 142  
Weight 0.6983g  
Extraction date NA  
Extracted By NA  
Analyte Filth and Foreign Material  
Analysis Method -SOP.T.40.013 Batch Date : 09/29/21 12:23:43  
Analytical Batch -KN001375FIL Reviewed On - 09/29/21 12:38:41  
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 113  
Weight 0.2024g  
Extraction date : 09/28/21 02:09:12  
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.  
Analytical Batch -KN001371POT Instrument Used : HPLC E-SHI-008  
Reviewed On - 09/29/21 16:05:17  
Batch Date : 09/28/21 14:36:01  
Running On :

Reagent 081321.R04  
092921.R09  
090321.R05  
Dilution 0.16  
Consums. ID 94789291.217  
0030220

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.

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**Sue Ferguson**

Lab Director

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



10/04/21

Signature

Signed On



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Sample Method : SOP Client Method

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## Terpenes

TESTED

Terpenes	LOD(%)	mg/g	%
PULEGONE	0.007	ND	ND
GAMMA-TERPINENE	0.007	ND	ND
GERANIOL	0.007	< 0.2	< 0.02
GERANYL ACETATE	0.007	< 0.2	< 0.02
GUAIOL	0.007	< 0.2	< 0.02
LIMONENE	0.007	ND	ND
LINALOOL	0.007	ND	ND
NEROL	0.007	ND	ND
OCIMENE	0.007	ND	ND
ALPHA-PHELLANDRENE	0.007	ND	ND
FENCHONE	0.007	ND	ND
SABINENE	0.007	ND	ND
SABINENE HYDRATE	0.007	ND	ND
TERPINEOL	0.007	ND	ND
TERPINOLENE	0.007	ND	ND
TRANS-CARYOPHYLLENE	0.007	ND	ND
TRANS-NEROLIDOL	0.007	< 0.2	< 0.02
VALENCENE	0.007	ND	ND
CEDROL	0.007	ND	ND
ALPHA-HUMULENE	0.007	ND	ND
ALPHA-PINENE	0.007	ND	ND
ALPHA-TERPINENE	0.007	ND	ND
BETA-MYRCENE	0.007	ND	ND
BETA-PINENE	0.007	ND	ND
BORNEOL	0.013	ND	ND
CAMPHENENE	0.007	< 0.2	< 0.02
CAMPHOR	0.013	ND	ND
CARYOPHYLLENE OXIDE	0.007	ND	ND
ALPHA-CEDRENE	0.007	ND	ND
ALPHA-BISABOLOL	0.007	< 0.2	< 0.02
ISOPULEGOL	0.007	ND	ND

Total (%)

0.05

Terpenes	LOD(%)	mg/g	%	Result (%)
CIS-NEROLIDOL	0.007	ND	ND	ND
3-CARENE	0.007	ND	ND	ND
FENCHYL	0.007	ND	ND	ND
ALCOHOL	0.007	ND	ND	ND
HEXAHYDRO	0.007	ND	ND	ND
THYMOL	0.007	< 0.2	< 0.02	ND
EUCALYPTOL	0.007	ND	ND	ND
ISOBORNEOL	0.007	ND	ND	ND
FARNESENE	0.007	0.5	0.05	ND

Terpenes TESTED

Analyzed by 138 Weight 1.08468g Extraction date 09/28/21 02:09:02 Extracted By 138

Analysis Method -SOP.T.40.090 Analytical Batch -KN001368TER Reviewed On - 10/04/21 18:23:58

Instrument Used : E-SHI-109 Terpenes

Running On : Batch Date : 09/28/21 10:26:16

Reagent Dilution Consums. ID

042721.01 0 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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Sue Ferguson

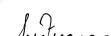
Lab Director

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ISO Accreditation #

17025:2017

10/04/21



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Harvest/LOT ID: 070321

Batch# : 070321-1

Sampled : 09/20/21

Ordered : 09/20/21

Sample Size Received : 56.7 gram

Total Weight/Volume : N/A

Completed : 10/04/21 Expires: 10/04/22

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
ACEQUINOCYL	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
CHLORPYFRIFOS	0.01	ppm	0.1	ND	TOTAL SPINOSAD	0.01	ppm	3	ND
CLOFENOTINE	0.01	ppm	0.5	ND	TRIFLOXYSTROBIN	0.01	ppm	3	ND
COUMAPHOS	0.01	ppm	0.1	ND					PASSED
CYPERMETHRIN	0.01	ppm	1	ND					
DAMINOZIDE	0.01	ppm	0.1	ND					
DIANANON	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					
ETOGENPROX	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					
FPRONIL	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					

Analyzed by	Weight	Extraction date	Extracted By
143	1.0043g	09/28/21 04:09:02	143
Analysis Method - SOP.T.30.060, SOP.T.40.060 , Analytical Batch - KN001365PES			Reviewed On- 09/29/21 12:38:41
Instrument Used : E-SHI-125 Pesticides			Batch Date : 09/28/21 10:01:16
Running On : 09/28/21 16:23:18			
Reagent	Dilution	Consum. ID	
0001231.013 0001231.02	100	200618634 947.271	
0002321.009 092321.008 092321.007			

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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Harvest/LOT ID: 070321

Batch# : 070321-1

Sampled : 09/20/21

Ordered : 09/20/21

Sample Size Received : 56.7 gram

Total Weight/Volume : N/A

Completed : 10/04/21 Expires: 10/04/22

Sample Method : SOP Client Method

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		Residual Solvents		PASSED		Residual Solvents		PASSED	
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Solvent	LOD	Units	Action Level	Pass/Fail	Result	Analyzed by	Weight	Extraction date	Extracted By
PROPANE	500	ppm	2100	PASS	ND	138	0.02918g	09/28/21 02:09:31	138
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		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 XYLEMES - M, P & O - 15		ppm	2170	PASS	ND				
DIMETHYLBENZENE									

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.

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10/04/21

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Total Weight/Volume : N/A

Completed : 10/04/21 Expires: 10/04/22

Sample Method : SOP Client Method

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	Microbials	PASSED		Mycotoxins	PASSED
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Analyte	LOD	Result	Analyte	LOD	Units	Result	Action Level
LISTERIA_MONOCYTOGENE		not present in 1 gram.	AFLATOXIN G2	0.002	ppm	ND	0.02
ESCHERICHIA_COLI_SHIGELLA_SPP		not present in 1 gram.	AFLATOXIN G1	0.002	ppm	ND	0.02
SALMONELLA_SPECIFIC_GENE		not present in 1 gram.	AFLATOXIN B2	0.002	ppm	ND	0.02
ASPERGILLUS_FLAVUS		not present in 1 gram.	AFLATOXIN B1	0.002	ppm	ND	0.02
ASPERGILLUS_FUMIGATUS		not present in 1 gram.	OCHRATOXIN A+	0.002	ppm	ND	0.02
ASPERGILLUS_NIGER		not present in 1 gram.	TOTAL MYCOTOXINS	0.002	ppm	ND	
ASPERGILLUS_TERREUS		not present in 1 gram.					

Analysis Method -SOP.T.40.043

Analytical Batch -KN001362MIC Batch Date : 09/27/21 12:38:45

Instrument Used : Micro E-HEW-069

Running On : 09/29/21 14:29:29

Analyzed by	Weight	Extraction date	Extracted By
142	0.9778g	NA	NA

Reagent	Dilution	Consums. ID
072821.02	0	003102
072721.06		
030421.02		
072721.07		
030421.03		

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.

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 (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
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Reagent	Dilution	Consums. ID
092121.R21	50	7226/0030021
092121.R22		210117060
080421.R13		A29564150
040521.R04		

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	

Analyzed by	Weight	Extraction date	Extracted By
12	0.2722g	09/29/21 12:09:21	12

Analysis Method -SOP.T.40.050, SOP.T.30.052  
Analytical Batch -KN001372HEA | Reviewed On - 10/04/21 18:23:25  
Instrument Used : Metals ICP/MS  
Running On :  
Batch Date : 09/28/21 15:19:12

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.

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