

PRODUCT NAME: CBD Dog Chews
PRODUCT STRENGTH: 2 mg / chew
BATCH: 21355C
BEST BY DATE: 11/2023
Bulk LOT: 3004363

Click on the links to view third-party reports

Physical Attributes

Test	Method	Specification	Results
Color	Onternal	Brown	PASS
Odor	Onternal	Beef and grains, with some yeast	PASS
Appearance	Onternal	Squat cylindrical dog treats a plastic amber container	PASS
Primary Package Eval.	Onternal	Container clean and free of filth. Container caps tight and pressure seal is intact.	PASS
Secondary Package Eval.	Onternal	Labeling Compliance Checked, Cartons sturdy and clean. Sufficient cushion material exists. Box taped and secure.	PASS

Review of Third-Party Analysis

Panel	Method	Specification	Results*	Pass/Fail
Potency - Total CBD	HPLC-UV DAD	LOQ*: ≥ 2 mg / chew	2.6 mg	PASS
Potency - D9-THC	HPLC-UV DAD	LOQ: <0.01% (broad spectrum)	<0.01%	PASS
Pesticide Panel	LCMS-MS	Not Tested	N/A	N/A
Microbial Escherichia coli (STEC)	qPCR	Complies with USP 61/62	Absent	PASS
Microbial Salmonella	qPCR	Complies with USP 61/62	Absent	PASS
Microbial Yeast and Mold	Culture Plating	Complies with USP 61/62	Below LOQ	PASS
Microbial Total Coliforms	Culture Plating	Complies with USP 61/62	Below LOQ	PASS
Microbial Total Aerobic Count	Culture Plating	Complies with USP 61/62	1.0 x 10⁴	PASS
Heavy Metals	ICP-MS	Arsenic (As): ≤1.5 ppm† Cadmium (Cd): ≤0.5 ppm Lead (Pb): ≤0.5 ppm Mercury (Hg): ≤1.5 ppm	Below LOQ	PASS
Mycotoxins	LCMS-MS	Total Aflatoxins <20 ppb†† Afltoxin B1 < 20 ppb Ochratoxin < 20 ppb	Below LOQ	PASS
Residual Solvents	GC-MS	Not Tested	N/A	N/A

*Level of Quantification
† Parts Per Million †† Part Per Billion

Quality Certified Keegan Schlittler 01/06/2021
 Keegan Schlittler
 Quality Assurance Manager Date



Certificate of Analysis

Sample: DE11119027-003

Harvest/Lot ID: N/A

Batch#: N/A

Seed to Sale# 1A4000B00010D25000000881

Batch Date: N/A

Sample Size Received: 48 gram

Total Weight/Volume: N/A

Retail Product Size: N/A gram

Ordered : 11/18/21

sampled : 11/18/21

Completed: 11/27/21

Sampling Method: SOP-024

PASSED

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Nov 27, 2021

License # 405R-00011

615 Wooten Rd Suite 110

Colorado Springs CO, 80915, US

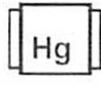
PRODUCT IMAGE



SAFETY RESULTS



Pesticides



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Residuals Solvents



Filtration



Water Activity



Moisture



Homogeneity



Terpenes
NOT TESTED

CANNABINOID RESULTS



Total THC
0.005%



Total CBD
0.063%



Total Cannabinoids
0.069%



Cannabinoid Profile Test

Analyzed by
1259

Weight
4.1619g

Extraction date :
11/22/21 05:11:01

Extracted By :
[64]

Analysis Method -SOP-020 (R15)

Reviewed On - 11/23/21 15:07:29

Batch Date : 11/22/21 10:45:53

Analytical Batch -DE002697POT

Instrument Used : Agilent 1100 "Falcor" Running On : 11/22/21 19:00:41

Reagent	Dilution	Consums. ID	Consums. ID
101221-001	40	07051275	92106-92348
111221-001		1119999	5079-52506-52506
121221-001		8G045	
131221-001		81KB34782	
141221-001		258076054	
151221-002		12211-108CC 100	

Our High-Precision Cannabis Analysis utilizes High-Performance Liquid Chromatography with Diode Array Detection (HPLC-DAD) in conjunction with GC/MS (Method SOP-022 (R1)) for accurate, lower limit of detection for all cannabinoids in cannabis.



Certificate of Analysis

PASSED

Sample ID: DE1119027-003

815 Wooten Rd Suite 110
Colorado Springs, CO, 80915, US
Telephone: 719-574-7199
Email: info@kaychalabs.com
License #: 105870003

Sample #: DE1119027-003

Harvest/LOT ID: N/A

Batch#: N/A

Sampled: 11/18/21

Ordered: 11/18/21

Sample Size Received: 48 gram

Total Weight/Volume: N/A

Completed: 11/27/21 Expires: 11/27/22

Sample Method: SOP-024

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Microbials

PASSED



Mycotoxins

PASSED

Analyte
TOTAL YEAST AND MOLD
SHIGA TOXIN PRODUCING ESCHERICHIA COLI STEC
SALMONELLA SPECIES
TOTAL AEROBIC
TOTAL COLIFORM

LOD

Result

not present in 2 gram
not present in 1 gram
not present in 1 gram
1500
0

Analyte

AFLATOXIN G2
AFLATOXIN G1
AFLATOXIN B2
AFLATOXIN B1
OCHRATOXIN A+
AFLATOXINS

LOD

Units

Result

Action Level

Analyte	LOD	Units	Result	Action Level
AFLATOXIN G2	0.200	ppb	N/A	20
AFLATOXIN G1	0.100	ppb	N/A	20
AFLATOXIN B2	0.0001	ppb	N/A	20
AFLATOXIN B1	0.001	ppb	N/A	20
OCHRATOXIN A+	0.040	ppb	N/A	25
AFLATOXINS		ppb	0	20

Analysis Method: SOP-066 (R5)

Analytical Batch: DE002191HEC | Reviewed On: 11/23/21 14:26:45

Instrument Used: Seis 5500 Otop - Mycotoxins

Running On: 1

Batch Date: 11/22/21 08:02:34

Analyzed by: 1696

Weight: 0.147g

Extraction date: 11/22/21 08:12:37

Extracted By: 1696

Analysis Method: SOP-066 (R5)
Analytical Batch: DE002191HEC | Reviewed On: 11/23/21 14:26:45
Instrument Used: Seis 5500 Otop - Mycotoxins
Running On: 1
Batch Date: 11/22/21 08:02:34



Heavy Metals

PASSED

Reagent	Dilution	Consums. ID
08277111	N/A	040000401
08112104		1271112000104
07142004		020492344
11222101		

Metal	LOD	Unit	Result	Action Level
ARSENIC	0.0020	ppm	0.046	1.5
CADMIUM	0.0018	ppm	0.004	0.5
MERCURY	0.0025	ppm	N/A	1
LEAD	0.0131	ppm	0.046	1

Analyzed by: 7

Weight: 0.209g

Extraction date: 11/23/21 12:11:31

Extracted By: 1696

Analysis Method: SOP-050 (R3)

Analytical Batch: DE002701HEA | Reviewed On: 11/24/21 10:27:49

Instrument Used: Shimadzu 2030 ICP-MS

Running On: 7 11/23/21 12:16:56

Batch Date: 11/23/21 09:28:17

Analysis Method: SOP-050 (R3)
Analytical Batch: DE002701HEA | Reviewed On: 11/24/21 10:27:49
Instrument Used: Shimadzu 2030 ICP-MS
Running On: 7 11/23/21 12:16:56
Batch Date: 11/23/21 09:28:17


CHEW

Batch ID or Lot Number: 21355A	Test: Microbial Contaminants	Reported: 1/3/22	
Matrix: Finished Product	Test ID: T000184212	Started: 12/28/21	USDA License: N/A
Status: N/A	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel)	Received: 12/27/2021 @ 10:56 AM	Sampler ID: N/A

MICROBIAL CONTAMINANTS DETERMINATION

Contaminant	Method	LOD	LLOQ	ULOQ	Result	Notes
Total Aerobic Count*	TM-26, Culture Plating	10 ² CFU/g	10 ³ CFU/g	1.5x10 ⁵ CFU/g	1.0x10 ⁴ CFU/g	Free from visual mold, mildew, and foreign matter
Total Coliforms*	TM-27, Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected	
Total Yeast and Mold*	TM-24, Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected	
E. coli (STEC)	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	
Salmonella	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	


 Jackson Osaghae-Nosa
 12/31/2021
 12:26:00 PM


 Sarah Henning
 1/3/2022
 9:30:00 AM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation

 CFU/g = Colony Forming Units per Gram | STEC = Shiga Toxin-Producing *E. coli*

* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples: 10² = 100 CFU
 10³ = 1,000 CFU
 10⁴ = 10,000 CFU
 10⁵ = 100,000 CFU

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.



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