Labstat
A Certified Group Company
10427 Cogdill Road, Suite 500
Knoxville, TN, 37932, US
DEA Number: RC0639128

Certificate of Analysis

Sample:KN30425001-021
Batch#: 23C004
Batch Date: 03/09/23
Sample Size Received: 45 gram
Retail Product Size: 4.2 gram
Ordered : 04/20/23
Sampled : 04/20/23
Completed: 04/28/23

Apr 28, 2023 | Asterra Labs
800 Cooke Rd.
Nashville, NC, 27856, 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	PASSED

MISC.

Terpenes
NOT TESTED

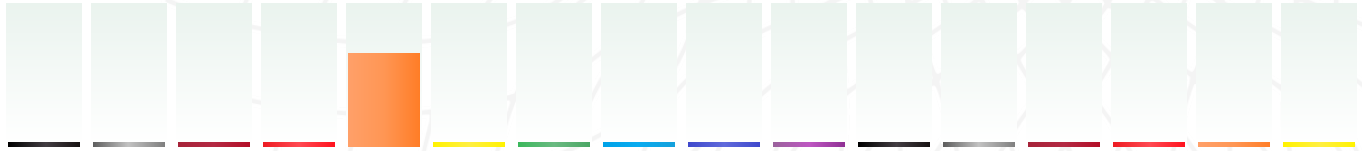
Potency

PASSED

Total THC
ND
Total THC/Gummy : 0 mg

Total CBD
0.6617%
Total CBD/Gummy : 27.791 mg

Total Cannabinoids
0.6617%
Total Cannabinoids/Gummy : 27.791 mg



	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	EXO-THC	D9-THC	D8-THC	D10-THC	CBC	THCA	D8-THCO	D9-THCO	THC-O
%	<0.01	ND	ND	ND	0.6617	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
mg/g	<0.1	ND	ND	ND	6.617	ND	ND	ND	ND	ND	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 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.002 %

Analyzed by:
2990, 2657

Weight:
0.2025g

Extraction date:
04/25/23 15:14:12

Extracted by:
2990

Analysis Method : SOP.T.30.031.TN & SOP.T.40.031.TN Expanded Measurement of Uncertainty: Flower Matrix d9-THC: ± 0.100, THCa: ± 0.124, TOTAL THC ± 0.112. 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 : KN003706POT
Instrument Used : E-SHI-008
Running on : N/A

Reviewed On : 04/26/23 11:16:01
Batch Date : 04/25/23 08:30:32

Dilution : N/A
Reagent : 122922.11; 100422.02; 012523.R02; 040423.R02; 042423.R01; 102722.25; 020323.06; 102722.26
Consumables : SFN-BR-1025; 22/04/01; 220725; 260148; 947B9291.271; GD220003; 600054; 220303059-D; IP250.100; 239146
Pipette : E-VWR-120; E-VWR-121

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV/PDA detection (HPLC-UV/PDA). All cannabinoids have an LOQ of 0.01%.

Sue Ferguson
Lab Director
State License # n/a
ISO Accreditation # 17025:2017

Signature

04/28/23
Signed On

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DEA Number: RC0639128

Labstat
CBD Gummy, Bacon, 25 mg
N/A
Matrix : Infused Product

Certificate of Analysis

PASSED

Asterra Labs

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Nashville, NC, 27856, US
Telephone: (252) 702-1537
Email: ron.rogers@asterralabs.com

Sample : KN30425001-021
Batch# : 23C004
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Ordered : 04/20/23

Sample Size Received : 45 gram
Completed : 04/28/23 **Expires:** 04/28/24

Pesticides

PASSED

Pesticide	LOD	Units	Action Level	Pass/Fail	Result
ABAMECTIN B1A	0.012	ppm	0.3	PASS	ND
ACEPHATE	0.008	ppm	3	PASS	ND
ACEQUINOCYL	0.038	ppm	2	PASS	ND
ACETAMIPRID	0.009	ppm	3	PASS	ND
ALDICARB	0.009	ppm	0.1	PASS	ND
AZOXYSTROBIN	0.013	ppm	3	PASS	ND
BIFENAZATE	0.028	ppm	3	PASS	ND
BIFENTHRIN	0.047	ppm	0.5	PASS	ND
BOSCALID	0.007	ppm	3	PASS	ND
CARBARYL	0.015	ppm	0.5	PASS	ND
CARBOFURAN	0.008	ppm	0.1	PASS	ND
CHLORANTRANILIPROLE	0.012	ppm	1	PASS	ND
CHLORMEQUAT CHLORIDE	0.008	ppm	3	PASS	ND
CHLORPYRIFOS	0.014	ppm	0.1	PASS	ND
CLOFENTEZINE	0.006	ppm	0.5	PASS	ND
COUMAPHOS	0.009	ppm	0.1	PASS	ND
DAMINOZIDE	0.006	ppm	0.1	PASS	ND
DIAZANON	0.006	ppm	0.2	PASS	ND
DICHLORVOS	0.014	ppm	0.1	PASS	ND
DIMETHOATE	0.009	ppm	0.1	PASS	ND
DIMETHOMORPH	0.009	ppm	3	PASS	ND
ETHOPROPHOS	0.007	ppm	0.1	PASS	ND
ETOFENPROX	0.009	ppm	0.1	PASS	ND
ETOXAZOLE	0.007	ppm	1.5	PASS	ND
FENHEXAMID	0.005	ppm	3	PASS	ND
FENOXYCARB	0.007	ppm	0.1	PASS	ND
FENPYROXIMATE	0.006	ppm	2	PASS	ND
FIPRONIL	0.008	ppm	0.1	PASS	ND
FLONICAMID	0.014	ppm	2	PASS	ND
FLUDIOXONIL	0.011	ppm	3	PASS	ND
HEXYTHIAZOX	0.009	ppm	2	PASS	ND
IMAZALIL	0.01	ppm	0.1	PASS	ND
IMIDACLOPRID	0.005	ppm	3	PASS	ND
KRESOXIM-METHYL	0.01	ppm	1	PASS	ND
MALATHION	0.009	ppm	2	PASS	ND
METALAXYL	0.008	ppm	3	PASS	ND
METHIOCARB	0.008	ppm	0.1	PASS	ND
METHOMYL	0.009	ppm	0.1	PASS	ND
MEVINPHOS	0.001	ppm	0.1	PASS	ND
MYCLOBUTANIL	0.006	ppm	3	PASS	ND
NALED	0.023	ppm	0.5	PASS	ND
OXAMYL	0.009	ppm	0.5	PASS	ND
PACLOBUTRAZOL	0.007	ppm	0.1	PASS	ND
PERMETHRINS	0.008	ppm	1	PASS	ND
PHOSMET	0.009	ppm	0.2	PASS	ND
PIPERONYL BUTOXIDE	0.006	ppm	3	PASS	ND
PRALLETHRIN	0.008	ppm	0.4	PASS	ND
PROPICONAZOLE	0.007	ppm	1	PASS	ND
PROPOXUR	0.008	ppm	0.1	PASS	ND
PYRETHRINS	0.002	ppm	1	PASS	ND
PYRIDABEN	0.007	ppm	3	PASS	ND
SPINETORAM	0.004	ppm	3	PASS	ND
SPIROMESIFEN	0.009	ppm	3	PASS	ND
SPIROTETRAMAT	0.009	ppm	3	PASS	ND
SPIROXAMINE	0.006	ppm	0.1	PASS	ND
TEBUCONAZOLE	0.009	ppm	1	PASS	ND
THIACLOPRID	0.008	ppm	0.1	PASS	ND
THIAMETHOXAM	0.009	ppm	1	PASS	ND
TOTAL SPINOSAD	0.009	ppm	3	PASS	ND
TRIFLOXYSTROBIN	0.009	ppm	3	PASS	ND

Analyzed by: 2803, 3050 | **Weight:** 1.0427g | **Extraction date:** 04/27/23 10:11:14 | **Extracted by:** 2803

Analysis Method : SOP.T.40.101.TN
Analytical Batch : KN003712PES
Instrument Used : E-SHI-125
Running on : N/A
Reviewed On : 04/27/23 15:28:43
Batch Date : 04/27/23 10:09:40
Dilution : 0.01
Reagent : 010523.R11; 030723.R19; 040623.R01; 040623.R02; 122322.R26; 101722.03; 032221.01
Consumables : 301011028; K130252J; n/a; 220725; 21267B0; 264041; 201123-058; 211214634-D; 239146; 947B9291.271; GD210005; 1300.062
Pipette : E-VWR-116; E-VWR-117; E-VWR-118; E-VWR-119

Testing for agricultural agents is performed utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry.
*Based on FL action limits.

Sue Ferguson
Lab Director

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

Signature

04/28/23
Signed On

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Labstat
CBD Gummy, Bacon, 25 mg
N/A
Matrix : Infused Product

Certificate of Analysis

PASSED

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Nashville, NC, 27856, US
Telephone: (252) 702-1537
Email: ron.rogers@asterralabs.com

Sample : KN30425001-021
Batch# : 23C004
Sampled : 04/20/23
Ordered : 04/20/23

Sample Size Received : 45 gram
Completed : 04/28/23 **Expires:** 04/28/24

Residual Solvents

PASSED

Solvents	LOD	Units	Action Level	Pass/Fail	Result
PROPANE	54	ppm	5000	PASS	ND
BUTANES (N-BUTANE)	51	ppm	5000	PASS	ND
METHANOL	20	ppm	250	PASS	ND
ETHYLENE OXIDE	0.2	ppm	5	PASS	ND
PENTANES (N-PENTANE)	32	ppm	750	PASS	ND
ETHANOL	100	ppm	5000	PASS	ND
ETHYL ETHER	10	ppm	500	PASS	ND
1.1-DICHLOROETHENE	0.6	ppm	8	PASS	ND
ACETONE	15	ppm	750	PASS	ND
2-PROPANOL	20	ppm	500	PASS	ND
ACETONITRILE	1.3	ppm	60	PASS	ND
DICHLOROMETHANE	2	ppm	125	PASS	ND
N-HEXANE	6	ppm	250	PASS	ND
ETHYL ACETATE	8.3	ppm	400	PASS	ND
CHLOROFORM	0.04	ppm	2	PASS	ND
BENZENE	0.03	ppm	1	PASS	ND
1,2-DICHLOROETHANE	0.05	ppm	2	PASS	ND
HEPTANE	53	ppm	5000	PASS	ND
TRICHLOROETHYLENE	0.5	ppm	25	PASS	ND
TOLUENE	5	ppm	150	PASS	ND
TOTAL XYLENES - M, P & O - DIMETHYLBENZENE	15	ppm	150	PASS	ND

Analyzed by:
138, 3050

Weight:
0.02725g

Extraction date:
04/28/23 08:44:47

Extracted by:
138

Analysis Method : SOP.T.40.041.TN
Analytical Batch : KN003714SOL
Instrument Used : E-SHI-106
Running on : N/A

Reviewed On : 04/28/23 14:00:19
Batch Date : 04/27/23 10:29:19

Dilution : N/A
Reagent : N/A
Consumables : R2017.167; G201.100
Pipette : N/A

Residual solvents analysis is performed using Gas Chromatography / Mass Spectrometry. *Based on FL action limits.

Sue Ferguson
Lab Director

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ISO Accreditation # 17025:2017

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CBD Gummy, Bacon, 25 mg
N/A
Matrix : Infused Product

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Completed : 04/28/23 **Expires:** 04/28/24

Microbial — PASSED

Analyte	LOD	Units	Result	Pass / Fail	Action Level
ESCHERICHIA COLI SHIGELLA SPP			Not Present	PASS	
SALMONELLA SPECIFIC GENE			Not Present	PASS	
ASPERGILLUS FLAVUS			Not Present	PASS	
ASPERGILLUS FUMIGATUS			Not Present	PASS	
ASPERGILLUS NIGER			Not Present	PASS	
ASPERGILLUS TERREUS			Not Present	PASS	

Analyzed by: 2805 **Weight:** 1.0415g **Extraction date:** 04/25/23 11:38:47 **Extracted by:** 2805

Analysis Method : SOP.T.40.056C, SOP.T.40.041 LOD is 1 cfu
Analytical Batch : KN003708MIC **Reviewed On :** 04/28/23 09:00:53
Instrument Used : E-HEW-069 **Batch Date :** 04/25/23 09:10:36
Running on : N/A

Dilution : N/A
Reagent : 020323.03; 101822.09; 101822.07; 010923.04; 092222.01; 072722.06
Consumables : 22/04/01; 251773; 242429; 2DAX30621; P7528255; 41218-146C4-146C; 263989; 93825; 010205; 007109; 013209; n/a; 247040; 0150210
Pipette : E-THE-045; E-THE-046; E-THE-047; E-THE-048; E-THE-049; E-THE-050; E-THE-051; E-THE-052; E-THE-053; E-THE-054; E-BIO-188

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. With an LOD of 1cfu, if a pathogenic E Coli, Salmonella, A fumigatus, A flavus, A niger, or A 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	0.0016	ppm	ND	PASS	0.02
AFLATOXIN G1	0.0012	ppm	ND	PASS	0.02
AFLATOXIN B2	0.0012	ppm	ND	PASS	0.02
AFLATOXIN B1	0.0012	ppm	ND	PASS	0.02
OCHRATOXIN A+	0.002	ppm	ND	PASS	0.02
TOTAL MYCOTOXINS	0.002	ppm	ND	PASS	0.02

Analyzed by: 2803 **Weight:** 1.0427g **Extraction date:** 04/27/23 10:11:14 **Extracted by:** 2803

Analysis Method : SOP.T.40.101.TN
Analytical Batch : KN003713MYC **Reviewed On :** 04/27/23 15:23:25
Instrument Used : E-SHI-125 **Batch Date :** 04/27/23 10:17:49
Running on : N/A

Dilution : 0.01
Reagent : 010523.R11; 030723.R19; 040623.R01; 040623.R02; 122322.R26; 101722.03; 032221.01
Consumables : 301011028; K130252J; n/a; 220725; 21267B0; 264041; 201123-058; 211214634-D; 239146; 947B9291.271; GD210005; 1300.062
Pipette : E-VWR-116; E-VWR-117; E-VWR-118; E-VWR-119

Aflatoxins B1, B2, G1, G2, and Ochratoxins Mycrotoxins testing utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry. *Based on FL action limits.

Heavy Metals — PASSED

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

Analyzed by: 2837, 3050 **Weight:** 0.2562g **Extraction date:** 04/28/23 10:34:49 **Extracted by:** 2837

Analysis Method : SOP.T.30.082, SOP.T.40.082.TN
Analytical Batch : KN003715HEA **Reviewed On :** 04/27/23 17:16:10
Instrument Used : E-AGI-084 **Batch Date :** 04/27/23 11:17:30
Running on : N/A

Dilution : N/A
Reagent : 122922.11; 100422.02; 041923.R13; 031423.R13; 101722.05; 022023.01; 030923.R07; 031623.R01; 031423.R01; 022823.R12; 040523.R01; 040523.R02; 040523.R03; 031623.R02; 041923.R03
Consumables : 257747; 829C6-829B; 221200; 12606-251CD-251C
Pipette : E-EPP-081; E-EPP-082

Heavy Metals analysis is performed using ICP-MS (Inductively Coupled Plasma – Mass Spectrometer) which can screen down to single digit ppb concentrations. LOQ is 0.04 ppm for all metals. *Based on FL action limits.

Sue Ferguson
Lab Director

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ISO Accreditation # 17025:2017

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CBD Gummy, Bacon, 25 mg
N/A
Matrix : Infused Product

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Filth/Foreign Material — PASSED

Analyte	LOD	Units	Result	P/F	Action Level
Filth and Foreign Material	1	detect/g	ND	PASS	3

Analyzed by: 2805 **Weight:** 0.5858g **Extraction date:** 04/25/23 11:39:24 **Extracted by:** 2805

Analysis Method : SOP.T.40.090
Analytical Batch : KN003703FIL
Instrument Used : E-AMS-138
Running on : N/A
Reviewed On : 04/25/23 12:03:53
Batch Date : 04/24/23 10:22:13

Dilution : N/A
Reagent : N/A
Consumables : N/A
Pipette : N/A

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.

Moisture — PASSED

Analyte	LOD	Units	Result	P/F	Action Level
Moisture Content	1	%	7.86	TESTED	

Analyzed by: 2837, 2990 **Weight:** 0.504g **Extraction date:** 04/25/23 13:58:43 **Extracted by:** 2837

Analysis Method : SOP.T.40.021
Analytical Batch : KN003709MOI
Instrument Used : E-SHI-039
Running on : N/A
Reviewed On : 04/25/23 14:41:24
Batch Date : 04/25/23 13:57:41

Dilution : N/A
Reagent : 122922.11; 100422.01
Consumables : 257747; MOC63U
Pipette : E-VWR-120

Moisture Content analysis utilizing loss-on-drying technology in accordance with F.S. Rule 64ER20.39.

Sue Ferguson
Lab Director

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