Labstat
A Certified Group Company

10427 Cogdill Road, Suite 500
Knoxville, TN, 37932, US
DEA Number: RC0639128

Labstat
23B002B
N/A
Matrix: Infused Product

Certificate of Analysis

Sample:KN30216003-006
Harvest/Lot ID: N/A
Batch#: 23B002B
Seed to Sale# N/A
Batch Date: 02/02/23
Sample Size Received: 14.4 gram
Total Batch Size: N/A
Retail Product Size: 4.8 gram
Ordered : 02/13/23
Sampled : 02/13/23
Completed: 02/22/23
Sampling Method: N/A

Feb 22, 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

Cannabinoid

PASSED

Total THC
0.2055%
Total THC/Gummy : 9.864 mg

D8-THC
0.0151%
D8-THC/Gummy : 0.725 mg

Total Cannabinoids
0.222%
Total Cannabinoids/Gummy : 10.656 mg

	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	EXO-THC	D9-THC	D8-THC	D10-THC	CBC	THCA	D8-THCO	D9-THCO	THC-O
%	ND	ND	ND	ND	<0.01	<0.01	<0.01	ND	0.1963	0.0151	ND	ND	0.0106	ND	ND	ND
mg/g	ND	ND	ND	ND	<0.1	<0.1	<0.1	ND	1.963	0.151	ND	ND	0.106	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:
2837, 2990, 2657

Weight:
0.2082g

Extraction date:
02/16/23 10:48:26

Extracted by:
2837,2990

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 : KN003537POT
Instrument Used : E-SHI-008
Running on : N/A

Reviewed On : 02/17/23 13:06:03
Batch Date : 02/15/23 08:31:19

Dilution : N/A
Reagent : 122922.09; 100422.02; 020823.R01; 020823.R02; 100622.05; 020323.05; 100622.04; 102722.10; 021523.R01
Consumables : 294108110; 22/04/01; n/a; 239146; 947B9291.100; 220325059-D; IP250.100
Pipette : E-VWR-120

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

02/22/23
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Nashville, NC, 27856, US
Telephone: (252) 702-1537
Email: ron.rogers@asterralabs.com

Sample : KN30216003-006
Harvest/Lot ID: N/A
Batch# : 23B002B
Sampled : 02/13/23
Ordered : 02/13/23

Sample Size Received : 14.4 gram
Total Batch Size : N/A
Completed : 02/22/23 **Expires:** 02/22/24
Sample Method : SOP Client Method

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 | **Weight:** 0.5071g | **Extraction date:** N/A | **Extracted by:** 2803

Analysis Method : SOP.T.40.101.TN
Analytical Batch : KN003555PES
Instrument Used : E-SHI-125
Running on : N/A
Reviewed On : 02/22/23 10:41:47
Batch Date : 02/20/23 14:19:39
Dilution : 0.01
Reagent : 102622.R04; 122322.R26; 101722.01; 010523.R12; 042122.04; 011723.R25; 011723.R26; 032221.01
Consumables : 294108110; K130252J; 22/04/01; n/a; 21267B0; 201123-058; 239146; 1047.033, 102101.057
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

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

Sample : KN30216003-006
Harvest/Lot ID: N/A
Batch# : 23B002B
Sampled : 02/13/23
Ordered : 02/13/23

Sample Size Received : 14.4 gram
Total Batch Size : N/A
Completed : 02/22/23 **Expires:** 02/22/24
Sample Method : SOP Client Method

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	10	ppm	250	PASS	<25
ETHYLENE OXIDE	0.2	ppm	5	PASS	ND
PENTANES (N-PENTANE)	32	ppm	750	PASS	ND
ETHANOL	16	ppm	5000	PASS	3829.8707
ETHYL ETHER	10	ppm	500	PASS	ND
1.1-DICHLOROETHENE	0.6	ppm	8	PASS	ND
ACETONE	15	ppm	750	PASS	ND
2-PROPANOL	8	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	<40
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	3	ppm	150	PASS	ND
TOTAL XYLENES - M, P & O - DIMETHYLBENZENE	7.4	ppm	150	PASS	ND

Analyzed by:
138, 3050

Weight:
0.02965g

Extraction date:
02/17/23 09:18:08

Extracted by:
138

Analysis Method : SOP.T.40.041.TN
Analytical Batch : KN003545SOL
Instrument Used : E-SHI-106
Running on : 02/16/23 16:49:49

Reviewed On : 02/19/23 13:50:25
Batch Date : 02/16/23 10:04:35

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

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

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Email: ron.rogers@asterralabs.com

Sample : KN30216003-006
Harvest/Lot ID: N/A
Batch# : 23B002B
Sampled : 02/13/23
Ordered : 02/13/23

Sample Size Received : 14.4 gram
Total Batch Size : N/A
Completed : 02/22/23 **Expires:** 02/22/24
Sample Method : SOP Client Method

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:** 1.0009g **Extraction date:** 02/16/23 12:32:08 **Extracted by:** 2805

Analysis Method : SOP.T.40.043
Analytical Batch : KN003547MIC
Instrument Used : E-HEW-069
Running on : N/A
Reviewed On : 02/17/23 16:46:58
Batch Date : 02/16/23 10:15:48

Dilution : N/A
Reagent : 020323.01; 010923.01; 072722.05
Consumables : 22/04/01; 251773; 242429; 2DAX30621; P7528255; 41218-146C4-146C; 263989; 93825; 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

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:** 0.5071g **Extraction date:** N/A **Extracted by:** 2803

Analysis Method : SOP.T.40.101.TN
Analytical Batch : KN003556MYC
Instrument Used : E-SHI-125
Running on : N/A
Reviewed On : 02/22/23 11:55:58
Batch Date : 02/20/23 14:42:33

Dilution : 0.01
Reagent : 102622.R04; 122322.R26; 101722.01; 010523.R12; 042122.04; 011723.R25; 011723.R26; 032221.01
Consumables : 294108110; K130252J; 22/04/01; n/a; 21267B0; 201123-058; 239146; 1047.033, 102101.057
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: 3050 **Weight:** 0.2635g **Extraction date:** 02/16/23 11:59:41 **Extracted by:** 2837

Analysis Method : SOP.T.30.082, SOP.T.40.082.TN
Analytical Batch : KN003541HEA
Instrument Used : E-AGI-084
Running on : N/A
Reviewed On : 02/20/23 17:40:25
Batch Date : 02/15/23 13:19:52

Dilution : N/A
Reagent : 122922.09; 100422.02; 021023.R15; 101422.R15; 032522.01; 111122.09; 012523.R03; 012023.R27; 111022.R03; 012523.R01; 010323.R06
Consumables : 257747; 829C6-829B; 108779-06-102921; 12532-225CD-225C
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

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

Signature

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Matrix : Infused Product

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Email: ron.rogers@asterralabs.com

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Harvest/Lot ID: N/A
Batch# : 23B002B
Sampled : 02/13/23
Ordered : 02/13/23

Sample Size Received : 14.4 gram
Total Batch Size : N/A
Completed : 02/22/23 **Expires:** 02/22/24
Sample Method : SOP Client Method

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:** 0.706g | **Extraction date:** 02/16/23 12:33:01 | **Extracted by:** 2805

Analysis Method : SOP.T.40.090
Analytical Batch : KN003530FIL
Instrument Used : E-AMS-138
Running on : N/A
Reviewed On : 02/16/23 13:14:22
Batch Date : 02/13/23 11:20:19

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	%	8.22	TESTED	

Analyzed by: 2837, 3050 | **Weight:** 0.511g | **Extraction date:** 02/16/23 10:13:47 | **Extracted by:** 2837

Analysis Method : SOP.T.40.021
Analytical Batch : KN003544MOI
Instrument Used : E-SHI-039
Running on : N/A
Reviewed On : 02/20/23 17:44:14
Batch Date : 02/16/23 09:03:27

Dilution : N/A
Reagent : 122922.09; 021320.01
Consumables : 239146; 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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ISO Accreditation # 17025:2017

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