



Certificate of Analysis

Sample:KN31127002-003

Harvest/Lot ID: 23L003

Batch#: 23L003

Batch Date: 11/14/23

Sample Size Received: 15.0 gram

Retail Product Size: 5.0 gram

Ordered : 11/22/23

Sampled : 11/22/23

Completed: 11/30/23

PASSED

Page 1 of 5

Nov 30, 2023 | Asterra Labs

800 Cooke Rd.
Nashville, NC, 27856, US



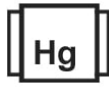
PRODUCT IMAGE



SAFETY RESULTS



Pesticides
PASSED



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Residuals Solvents
PASSED



Filtration
PASSED



Water Activity
NOT TESTED



Moisture
PASSED



Terpenes
NOT TESTED

MISC.



Potency

PASSED



Total THC

0.1858%

Total THC/Gummy : 9.29 mg



Total Cannabinoids

0.1858%

Total Cannabinoids/Gummy : 9.29 mg

	CBDVA	CBDV	CBD	CBDA	CBGA	CBG	CBD	D9-THCV	D8-THCV	CBN	D9-THC	D8-THC	D10-THC	CBC	THCA
%	ND	ND	ND	ND	ND	ND	<0.01	<0.01	ND	<0.01	0.1858	<0.01	ND	ND	ND
mg/g	ND	ND	ND	ND	ND	ND	<0.1	<0.1	ND	<0.1	1.858	<0.1	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
%															

Analyzed by:
2657

Weight:
0.2095g

Extraction date:
11/27/23 16:30:35

Extracted by:
2990,2657

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 : KN004328POT

Instrument Used : E-SHI-008

Running on : N/A

Reviewed On : 11/28/23 16:02:13

Batch Date : 11/27/23 12:16:15

Dilution : N/A

Reagent : 083023.01; 100422.02; 090723.02; 112823.R01; 112823.R02; 110323.01

Consumables : 302110210; 22/04/01; 220501; B9291.100; 230105059D; 947B9291.271; GD220011; 1350331; 6121219; 600185

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

Sue Ferguson
Signature

11/30/23

Signed On



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Asterra Labs

 800 Cooke Rd.
 Nashville, NC, 27856, US
 Telephone: (252) 702-1537
 Email: ron.rogers@asterrallabs.com

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Pesticides

PASSED

Pesticide	LOD	Units	Action Level	Pass/Fail	Result	Pesticide	LOD	Units	Action Level	Pass/Fail	Result
ABAMECTIN B1A	0.012	ppm	0.3	PASS	ND	PIPERONYL BUTOXIDE	0.006	ppm	3	PASS	ND
ACEPHATE	0.008	ppm	3	PASS	ND	PRALLETHRIN	0.008	ppm	0.4	PASS	ND
ACEQUINOCYL	0.038	ppm	2	PASS	ND	PROPICONAZOLE	0.007	ppm	1	PASS	ND
ACETAMIPRID	0.009	ppm	3	PASS	ND	PROPOXUR	0.008	ppm	0.1	PASS	ND
ALDICARB	0.009	ppm	0.1	PASS	ND	PYRETHRINS	0.002	ppm	1	PASS	ND
AZOXYSTROBIN	0.013	ppm	3	PASS	ND	PYRIDABEN	0.007	ppm	3	PASS	ND
BIFENAZATE	0.028	ppm	3	PASS	ND	SPINETORAM	0.004	ppm	3	PASS	ND
BIFENTHRIN	0.047	ppm	0.5	PASS	ND	SPIROMESIFEN	0.009	ppm	3	PASS	ND
BOSCALID	0.007	ppm	3	PASS	ND	SPIROTETRAMAT	0.009	ppm	3	PASS	ND
CARBARYL	0.015	ppm	0.5	PASS	ND	SPIROXAMINE	0.006	ppm	0.1	PASS	ND
CARBOFURAN	0.008	ppm	0.1	PASS	ND	TEBUCONAZOLE	0.009	ppm	1	PASS	ND
CHLORANTRANILPROLE	0.012	ppm	1	PASS	ND	THIACLOPRID	0.008	ppm	0.1	PASS	ND
CHLORMEQUAT CHLORIDE	0.008	ppm	3	PASS	ND	THIAMETHOXAM	0.009	ppm	1	PASS	ND
CHLORPYRIFOS	0.014	ppm	0.1	PASS	ND	TOTAL SPINOSAD	0.009	ppm	3	PASS	ND
CLOFENTEZINE	0.006	ppm	0.5	PASS	ND	TRIFLOXYSTROBIN	0.009	ppm	3	PASS	ND
COUMAPHOS	0.009	ppm	0.1	PASS	ND	Analyzed by: 2803 Weight: 1.0008g Extraction date: 11/29/23 13:09:44 Extracted by: 2803					
CYPERMETHRIN	0.01	ppm	1	PASS	ND	Analysis Method : SOP.T.30.101.TN, SOP.T.40.101.TN					
DAMINOZIDE	0.006	ppm	0.1	PASS	ND	Analytical Batch : KN004340PES Reviewed On : 11/29/23 14:08:11					
DIAZANON	0.006	ppm	0.2	PASS	ND	Instrument Used : E-SHI-125 Batch Date : 11/29/23 13:05:36					
DICHLORVOS	0.014	ppm	0.1	PASS	ND	Running on : N/A					
DIMETHOATE	0.009	ppm	0.1	PASS	ND	Dilution : 0.01					
DIMETHOMORPH	0.009	ppm	3	PASS	ND	Reagent : 082523.R07; 110623.R01; 110623.R02; 112023.R02; 102323.R25; 032221.01; 092123.R06; 092023.R17					
ETHOPROPHOS	0.007	ppm	0.1	PASS	ND	Consumables : 302110210; K130252J; 22/04/01; 21332MQ; 220906; B9291.100; 2126780; 251760; 201123-058; 260148; 1008702218; GD220011; 1350331					
ETOFENPROX	0.009	ppm	0.1	PASS	ND	Pipette : E-EPP-080; E-EPP-081; E-EPP-082; E-VWR-099; E-VWR-116; E-VWR-117; E-VWR-118; E-VWR-119					
ETOXAZOLE	0.007	ppm	1.5	PASS	ND	Testing for agricultural agents is performed utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry.					
FENHEXAMID	0.005	ppm	3	PASS	ND	*Based on FL action limits.					
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						



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Residual Solvents

PASSED

Solvents	LOD	Units	Action Level	Pass/Fail	Result
PROPANE	100	ppm	5000	PASS	ND
BUTANES (N-BUTANE)	100	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	3203.6665
ETHYL ETHER	10	ppm	500	PASS	ND
1,1-DICHLOROETHENE	0.6	ppm	8	PASS	ND
ACETONE	40	ppm	750	PASS	ND
2-PROPANOL	25	ppm	500	PASS	ND
ACETONITRILE	20	ppm	60	PASS	ND
DICHLOROMETHANE	2	ppm	125	PASS	ND
N-HEXANE	10	ppm	250	PASS	ND
ETHYL ACETATE	11	ppm	400	PASS	44.5518
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: 3050	Weight: 0.0223g	Extraction date: 11/28/23 08:55:11	Extracted by: 3050
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Analysis Method : SOP.T.40.041.TN

Analytical Batch : KN004334SOL

Instrument Used : E-SHI-106

Running on : N/A

Reviewed On : 11/29/23 16:12:52

Batch Date : 11/28/23 08:39:55

Dilution : N/A

Reagent : 100422.02

Consumables : R2017.167; G201.167

Pipette : N/A

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



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Harvest/Lot ID: 23L003

Batch# : 23L003



Sampled : 11/22/23


Ordered : 11/22/23

Sample Size Received : 15.0 gram

Completed : 11/30/23 Expires: 11/30/24

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<div><div></div><div>Microbial</div><div>PASSED</div></div>						<div><div><div></div><div>Mycotoxins</div><div>PASSED</div></div></div>					
Analyte	LOD	Units	Result	Pass / Fail	Action Level	Analyte	LOD	Units	Result	Pass / Fail	Action Level
ESCHERICHIA COLI SHIGELLA SPP			Not Present	PASS		AFLATOXIN G2	0.0016	ppm	ND	PASS	0.02
SALMONELLA SPECIFIC GENE			Not Present	PASS		AFLATOXIN G1	0.0012	ppm	ND	PASS	0.02
ASPERGILLUS FLAVUS			Not Present	PASS		AFLATOXIN B2	0.0012	ppm	ND	PASS	0.02
ASPERGILLUS FUMIGATUS			Not Present	PASS		AFLATOXIN B1	0.0012	ppm	ND	PASS	0.02
ASPERGILLUS NIGER			Not Present	PASS		OCHRATOXIN A+	0.002	ppm	ND	PASS	0.02
ASPERGILLUS TERREUS			Not Present	PASS		TOTAL MYCOTOXINS	0.002	ppm	ND	PASS	0.02
TOTAL YEAST AND MOLD	10	CFU	ND	PASS	100000	Analyzed by: 2803	Weight: 1.0008g	Extraction date: 11/29/23 13:09:44	Extracted by: 2803		
Analyzed by: 2837	Weight: 1.0676g	Extraction date: 11/27/23 15:38:50	Extracted by: 2837			Analysis Method : SOP.T.30.101.TN, SOP.T.40.101.TN					
Analysis Method : SOP.T.40.056C, SOP.T.40.041 LOD is 1 CFU						Analytical Batch : KN004341MYC					
Analytical Batch : KN004327MIC						Reviewed On : 11/29/23 14:20:59					
Instrument Used : E-HEW-069						Batch Date : 11/29/23 13:18:00					
Running on : N/A						Instrument Used : E-SHI-125					
Dilution : N/A						Running on : N/A					
Reagent : 100623.02; 030723.10; 081623.02; 111523.01; 122222.01						Dilution : 0.01					
Consumables : 22/04/01; 10RWL0315W13; 251773; 242429; P7528255; 41218-146C4-146C; 263989; n/a; 247040; 0150210						Reagent : 082523.R07; 110623.R01; 110623.R02; 112023.R02; 102323.R25; 032221.01; 092123.R06; 092023.R17					
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						Consumables : 302110210; K130252; 22/04/01; 21332MO; 220906; B9291.100; 21267B0; 251760; 201123-058; 260148; 1008702218; GD220011; 1350331					
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.						Pipette : E-EPP-080; E-EPP-081; E-EPP-082; E-VWR-099; E-VWR-116; E-VWR-117; E-VWR-118; E-VWR-119					
Total yeast and mold testing is performed utilizing MPN and traditional culture based techniques. *Based on FL action limits.						Aflatoxins B1, B2, G1, G2, and Ochratoxins Mycotoxins testing utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry. *Based on FL action limits.					

<div><div><div></div><div>Heavy Metals</div><div>PASSED</div></div></div>					
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	0.0429	PASS	0.5
Analyzed by: 2837, 3050	Weight: 0.2558g	Extraction date: 11/29/23 14:04:38	Extracted by: 2837		
Analysis Method : SOP.T.30.082, SOP.T.40.082.TN					
Analytical Batch : KN004338HEA					
Reviewed On : 11/29/23 16:10:51					
Instrument Used : E-AGI-084					
Batch Date : 11/29/23 11:20:57					
Running on : N/A					
Dilution : N/A					
Reagent : 083023.01; 100422.02; 110823.R03; 110823.R02; 101722.05; 051923.01; 090723.R14; 071323.R26; 101323.R01; 111023.R01; 091223.R03; 091223.R04; 031623.R02; 090723.R15					
Consumables : 1008702218; GD220011; 1350331; 829C6-829B; 221200; A260422A; A30701833					
Pipette : E-EPP-081; E-EPP-082					



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**Filth/Foreign
Material**
PASSED

Moisture
PASSED

Analyte	LOD	Units	Result	P/F	Action Level	Analyte	LOD	Units	Result	P/F	Action Level
Filth and Foreign Material	1	%	ND	PASS	5	Moisture Content	1	%	10.32	TESTED	
Analyzed by: 2837 Weight: 0.545g Extraction date: 11/27/23 15:39:57 Extracted by: 2837						Analyzed by: 2657, 2837 Weight: 0.504g Extraction date: 11/27/23 15:42:53 Extracted by: 2657					
Analysis Method : SOP.T.40.090 Analytical Batch : KN004331FIL Instrument Used : E-AMS-138 Running on : N/A			Reviewed On : 11/28/23 08:25:27 Batch Date : 11/27/23 15:05:55			Analysis Method : SOP.T.40.021 Analytical Batch : KN004332MOI Instrument Used : E-SHI-039 Running on : 11/27/23 15:51:20			Reviewed On : 11/27/23 16:20:13 Batch Date : 11/27/23 15:41:37		
Dilution : N/A Reagent : N/A Consumables : N/A Pipette : N/A						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 Content analysis utilizing loss-on-drying technology in accordance with F.S. Rule 64ER20.39.