



Certificate of Analysis

Sample: KN20531005-003
Harvest/Lot ID: D050EA
Batch#: FSGUMMY30
Seed to Sale# N/A
Batch Date: 03/03/22
Sample Size Received: 3 units
Total Batch Size: N/A
Retail Product Size: 120 gram
Ordered : 05/22/22
Sampled : 05/22/22
Completed: 06/08/22
Sampling Method: N/A

Jun 08, 2022 | Winsor CBD
403 1ST AVE
Vinton, IA, 52349, US



PASSED

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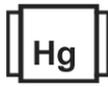
PRODUCT IMAGE



SAFETY RESULTS



Pesticides
PASSED



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Residuals Solvents
PASSED



Filtration
PASSED



Water Activity
NOT TESTED



Moisture
NOT TESTED



Terpenes
NOT TESTED

MISC.

Cannabinoid **PASSED**



Total THC
0.0318%



Total CBD
0.8368%



Total Cannabinoids
0.9749%



Component	Value	LOD
TOTAL CANNABINOIDS	0.9749	0.001
CBV	<0.01	0.001
CBDA	ND	0.001
CBGA	ND	0.001
CBG	0.067	0.001
CBD	0.8368	0.001
THCV	<0.01	0.001
CBN	<0.01	0.001
EXO-THC	ND	0.002
DS-THC	0.0318	0.001
DB-THC	ND	0.001
D10-THC	ND	0.001
CBC	0.0393	0.001
THCA	<0.01	0.001
DS-THCA	ND	0.002
DB-THCA	ND	0.002
THC-O	ND	0.002

Analyzed by: 113 Weight: 0.2268g Extraction date: 05/31/22 16:51:06 Extracted By: 113

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.

Reviewed On - 06/01/22 10:53:09

Analytical Batch - KN002477POT

Batch Date : 05/31/22 10:58:12

Instrument Used : HPLC E-SHI-008

Running On :

Dilution : 40

Reagent : 081321.R04; 053122.R01; 052522.R01

Consumables : 947B9291.271; 200331059

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV/PDA detection (HPLC-UV/PDA). (Method: SOP.T.30.031.TN 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



Signature

06/08/22

Signed On



Certificate of Analysis

PASSED

Winsor CBD

403 1ST AVE
Vinton, IA, 52349, US
Telephone: (319) 560-3689
Email: contact@winsorcdb.com

Sample : KN20531005-003
Harvest/Lot ID: D050EA

Batch# : FSGUMMY30
Sampled : 05/22/22
Ordered : 05/22/22

Sample Size Received : 3 units
Total Batch Size : N/A
Completed : 06/08/22 Expires: 06/08/23
Sample Method : SOP Client Method

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Pesticides

PASSED

Pesticide	LOD	Units	Action Level	Pass/Fail	Result	Pesticide	LOD	Units	Action Level	Pass/Fail	Result
ABAMECTIN B1A	0.01	ppm	0.3	PASS	ND	PIPERONYL BUTOXIDE	0.01	ppm	3	PASS	<0.05
ACEPHATE	0.01	ppm	3	PASS	ND	PRALLETHRIN	0.01	ppm	0.4	PASS	ND
ACEQUINOCYL	0.01	ppm	2	PASS	ND	PROPICONAZOLE	0.01	ppm	1	PASS	0.053
ACETAMIPRID	0.01	ppm	3	PASS	ND	PROPOXUR	0.01	ppm	0.1	PASS	<0.05
ALDICARB	0.01	ppm	0.1	PASS	ND	PYRETHRINS	0.01	ppm	1	PASS	ND
AZOXYSTROBIN	0.01	ppm	3	PASS	ND	PYRIDABEN	0.01	ppm	3	PASS	ND
BIFENAZATE	0.01	ppm	3	PASS	ND	SPINETORAM	0.01	ppm	3	PASS	ND
BIFENTHRIN	0.01	ppm	0.5	PASS	ND	SPIROMESIFEN	0.01	ppm	3	PASS	ND
BOSCALID	0.01	ppm	3	PASS	ND	SPIROTETRAMAT	0.01	ppm	3	PASS	ND
CARBARYL	0.01	ppm	0.5	PASS	ND	SPIROXAMINE	0.01	ppm	0.1	PASS	ND
CARBOFURAN	0.01	ppm	0.1	PASS	ND	TEBUCONAZOLE	0.01	ppm	1	PASS	ND
CHLORANTRANILIPROLE	0.01	ppm	3	PASS	ND	THIACLOPRID	0.01	ppm	0.1	PASS	ND
CHLORMEQUAT CHLORIDE	0.01	ppm	3	PASS	ND	THIAMETHOXAM	0.01	ppm	1	PASS	ND
CHLORPYRIFOS	0.01	ppm	0.1	PASS	ND	TOTAL SPINOSAD	0.01	ppm	3	PASS	ND
CLOFENTEZINE	0.01	ppm	0.5	PASS	ND	TRIFLOXYSTROBIN	0.01	ppm	3	PASS	ND
COUMAPHOS	0.01	ppm	0.1	PASS	ND						
CYPERMETHRIN	0.01	ppm	1	PASS	ND						
DAMINOZIDE	0.01	ppm	0.1	PASS	ND						
DIAZANON	0.01	ppm	0.2	PASS	ND						
DICHLORVOS	0.01	ppm	0.1	PASS	ND						
DIMETHOATE	0.01	ppm	0.1	PASS	ND						
DIMETHOMORPH	0.01	ppm	3	PASS	ND						
ETHOPROPHOS	0.01	ppm	0.1	PASS	ND						
ETOFENPROX	0.01	ppm	0.1	PASS	ND						
ETOXAZOLE	0.01	ppm	1.5	PASS	ND						
FENHEXAMID	0.01	ppm	3	PASS	ND						
FENOXYCARB	0.01	ppm	0.1	PASS	ND						
FENPYROXIMATE	0.01	ppm	2	PASS	ND						
FIPRONIL	0.01	ppm	0.1	PASS	ND						
FLONICAMID	0.01	ppm	2	PASS	ND						
FLUDIOXONIL	0.01	ppm	3	PASS	ND						
HEXYTHIAZOX	0.01	ppm	2	PASS	ND						
IMAZALIL	0.01	ppm	0.1	PASS	ND						
IMIDACLOPRID	0.01	ppm	3	PASS	ND						
KRESOXIM-METHYL	0.01	ppm	1	PASS	ND						
MALATHION	0.01	ppm	2	PASS	ND						
METALAXYL	0.01	ppm	3	PASS	ND						
METHIOCARB	0.01	ppm	0.1	PASS	ND						
METHOMYL	0.01	ppm	0.1	PASS	ND						
MEVINPHOS	0.01	ppm	0.1	PASS	ND						
MYCLOBUTANIL	0.01	ppm	3	PASS	ND						
NALED	0.01	ppm	0.5	PASS	ND						
OXAMYL	0.01	ppm	0.5	PASS	ND						
PACLOBUTRAZOL	0.01	ppm	0.1	PASS	ND						
PERMETHRINS	0.01	ppm	1	PASS	ND						
PHOSMET	0.01	ppm	0.2	PASS	ND						



Pesticides

PASSED

Analysis Method -SOP.T.30.060, SOP.T.40.060
 Analytical Batch -KN002509PES
 Instrument Used : E-SHI-125 Pesticides
 Running on :
 Reviewed On :06/08/22 14:23:36
 Batch Date :06/07/22 14:59:31

Analyzed by:	Weight:	Extraction date:	Extracted by:
12	7g	NA	NA

Dilution : 1
 Reagent :
 Consumables :

Pesticide analysis is performed using LC-MSMS which can quantify down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 61 Pesticides. (Methods: SOP.T.30.065 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.065 Procedure for Pesticide Quantification Using LCMSMS). *Based on FL action limits.



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 Sample : KN20531005-003
 Harvest/Lot ID: D050EA

 Batch# : FSGUMMY30
 Sampled : 05/22/22
 Ordered : 05/22/22

 Sample Size Received : 3 units
 Total Batch Size : N/A
 Completed : 06/08/22 Expires: 06/08/23
 Sample Method : SOP Client Method

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Residual Solvents

PASSED

Solvents	LOD	Units	Action Level	Pass/Fail	Result
PROPANE	500	ppm	2100	PASS	ND
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	5000	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 XYLENES - M, P & O - DIMETHYLBENZENE	15	ppm	2170	PASS	ND



Solvents

PASSED

Analyzed by 138, 12	Weight 0.0221g	Extraction date 06/02/22 10:47:59	Extracted By 138
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Analysis Method -SOP.T.40.032

Analytical Batch -KN002478SOL

Instrument Used : E-SHI-106 Residual Solvents

Running On :

Batch Date : 05/31/22 11:12:30

Reviewed On - 06/02/22 23:55:22

Dilution : 1

Reagent :

Consumables :

Residual solvents analysis 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). *Based on FL action limits.

Sue Ferguson

Lab Director

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

Signature

06/08/22

Signed On



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PASSED
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Sample : KN20531005-003
Harvest/Lot ID: D050EA
Batch# : FSGUMMY30
Sampled : 05/22/22
Ordered : 05/22/22
Sample Size Received : 3 units
Total Batch Size : N/A
Completed : 06/08/22 Expires: 06/08/23
Sample Method : SOP Client Method
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	Microbial	PASSED		Mycotoxins	PASSED
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Analyte	LOD	Units	Result	Pass / Fail	Action Level
LISTERIA MONOCYTOGENE	2000	RFU	ND	PASS	2000
ESCHERICHIA COLI SHIGELLA SPP	1726	RFU	ND	PASS	1726
SALMONELLA SPECIFIC GENE	10000	RFU	ND	PASS	10000
ASPERGILLUS FLAVUS	10000	RFU	ND	PASS	10000
ASPERGILLUS FUMIGATUS	10000	RFU	ND	PASS	10000
ASPERGILLUS NIGER	10000	RFU	ND	PASS	10000
ASPERGILLUS TERREUS	10000	RFU	ND	PASS	10000

Analysis Method - SOP.T.40.043
Analytical Batch - KN002479MIC
Instrument Used : Micro E-HEW-069
Running on : 06/01/22 09:34:40
Reviewed On : 06/02/22 23:58:11
Batch Date : 05/31/22 12:00:46
Analyzed by: NA **Weight: NA** **Extraction date: NA** **Extracted by: NA**
Dilution : 1
Reagent : 042222.02; 031022.01; 122021.03
Consumables : P7530724

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.

Analyte	LOD	Units	Result	Pass / Fail	Action Level
AFLATOXIN G2	0.002	ppm	ND	PASS	0.02
AFLATOXIN G1	0.002	ppm	ND	PASS	0.02
AFLATOXIN B2	0.002	ppm	ND	PASS	0.02
AFLATOXIN B1	0.002	ppm	ND	PASS	0.02
OCHRATOXIN A+	0.002	ppm	ND	PASS	0.02
TOTAL MYCOTOXINS	0.002	ppm	ND	PASS	0.02

Analysis Method -SOP.T.30.060, SOP.T.40.060
Analytical Batch -KN002511MYC | Reviewed On - 06/07/22 18:27:44
Instrument Used : E-SHI-125 Mycotoxins
Running On : | Batch Date : 06/07/22 18:19:51
Analyzed by 12 **Weight 7g** **Extraction date NA** **Extracted By NA**

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.060 for Sample Preparation and SOP.T40.065 Procedure for Mycotoxins Quantification Using LCMSMS. LOQ 5.0 ppb). *Based on FL action limits.

	Heavy Metals	PASSED
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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 12 **Weight 7g** **Extraction date NA** **Extracted By NA**
Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -KN002475HEA | Reviewed On - 06/03/22 14:53:48
Instrument Used : Metals ICP/MS
Running On : 05/31/22 12:36:07 | Batch Date : 05/30/22 16:02:25
Dilution : 1
Reagent : 121621.02; 011022.R08; 032522.01; 040822.01; 020422.R07; 030422.R15; 011022.R07; 051822.R05
Consumables : 294108110; n/a; 108779-06-102921; CFT415500

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma – Mass Spectrometer) which can screen down to single digit ppb concentrations for regulated heavy metals using Method SOP.T.30.082 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.082TN Heavy Metals Analysis via ICP-MS.



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PASSED

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Sample : KN20531005-003
Harvest/Lot ID: D050EA

Batch# : FSGUMMY30
Sampled : 05/22/22
Ordered : 05/22/22

Sample Size Received : 3 units
Total Batch Size : N/A
Completed : 06/08/22 Expires: 06/08/23
Sample Method : SOP Client Method

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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	Weight	Extraction date	Extracted By		
1692	0.5685g	05/31/22	1692		
Analysis Method -SOP.T.40.013	Batch Date : 05/31/22 08:46:35				
Analytical Batch -KN002476FIL	Reviewed On - 05/31/22 13:22:08				
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.

Sue Ferguson

Lab Director

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

Signature

06/08/22

Signed On