



Certificate of Analysis

Sample: MO00505006-001

Harvest/Lot ID: N/A

Seed to Sale #N/A

Batch Date :N/A

Batch#: KC110601-01

Sample Size Received: 10 gram

Retail Product Size: 1

Ordered : 05/05/20

Sampled : 05/05/20

Completed: 05/08/20 Expires: 05/08/21

Sampling Method: SOP Client Method

PASSED

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May 08, 2020 | Commonwealth Extracts

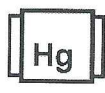
1 Louisville
Kentucky, USA 40258



PRODUCT IMAGE SAFETY RESULTS



Pesticides
PASSED



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Residuals Solvents
PASSED



Filtration
PASSED



Water Activity



Moisture



Terpenes
NOT TESTED

MISC.

CANNABINOID RESULTS



Total THC
1.616%



Total CBD
46.526%



Total Cannabinoids
52.297%



Filtration

PASSED

D9-THC	THCA	CBD	CBDa	D8-THC	THCV	CBN	CBDV	CBC	CBG	CBGA
1.616%	ND	30.635%	18.120%	ND	0.063%	0.141%	ND	1.409%	0.240%	0.073%
16.160 mg/g	ND	306.350 mg/g	181.200 mg/g	ND	0.630 mg/g	1.410 mg/g	ND	14.090 mg/g	2.400 mg/g	0.730 mg/g
LOD 0.0001%	0.001%	0.0001%	0.001%	0.001%	0.001%	0.001%	0.001%	0.001%	0.001%	0.001%

Analyzed By : 9 Weight : NA Extraction date : NA LOD(ppm) : NA Extracted By : NA

Analysis Method -SOP.T.40.013 Batch Date :
Analytical Batch -NA Reviewed On - 05/07/20 13:25:05
Instrument Used :

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An SH-2BT Stereo Microscope is used for inspection.

Cannabinoid Profile Test

Analyzed by : 19 Weight : 0.1004g Extraction date : 05/06/20 10:05:17 Extracted By : 19

Analysis Method -SOP.T.40.020, SOP.T.30.050 Reviewed On - 05/08/20 15:19:06
Analytical Batch -MO000515POT Instrument Used : HPLC Potency Analyzer Batch Date : 05/05/20 15:00:16

Reagent	Dilution	Consums. ID
	40	

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-UV). (Method: SOP.T.30.050 for sample prep and Shimadzu High Sensitivity Method SOP.T.40.020 for analysis. LOQ for all cannabinoids is 1 mg/L). Measurement of Uncertainty: 2.7%

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David Greene

Lab Director

State License # 19-05-02P
ISO Accreditation #
17025:2017



Signature

05/08/2020

Signed On



Certificate of Analysis

PASSED

Commonwealth Extracts

1 Louisville
Kentucky, USA 40258
Telephone: (504) 419-7527
Email: ryan@commonwealthextracts.com

Sample : M00050506-001

Harvest/LOT ID: N/A

Batch#: KC110601-01

Sampled : 05/05/20

Ordered : 05/05/20

Sample Size Received : 10 gram

Completed : 05/08/20 Expires: 05/08/21

Sample Method : SOP Client Method

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Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Result
ABAMECTIN B1A	0.020	ppm	0.5	ND
ACEPHATE	0.010	ppm	0.5	ND
ACEQUINOCYL	0.02	ppm	2	ND
ACETAMIPRID	0.010	ppm	0.2	ND
ALDICARB	0.020	ppm	0.4	ND
AZOXYSTROBIN	0.010	ppm	0.2	ND
BIFENAZATE	0.010	ppm	0.2	ND
BIFENTHRIN	0.010	ppm	0.2	ND
BOSCALID	0.005	ppm	0.4	ND
CARBARYL	0.010	ppm	0.2	ND
CARBOFURAN	0.010	ppm	0.2	ND
CHLORANTRANILIPROLE	0.010	ppm	0.2	ND
CHLORPYRIFOS	0.010	ppm	0.2	ND
CLOFENTEZINE	0.010	ppm	0.2	ND
COUMAPHOS	0.005	ppm	0.2	ND
CYPERMETHRIN	0.010	ppm	1	ND
DAMINOZIDE	0.010	ppm	1	ND
DIAZANON	0.010	ppm	0.2	ND
DICHLORVOS	0.050	ppm	0.1	ND
DIMETHOATE	0.010	ppm	0.2	ND
DIMETHOMORPH	0.005	ppm	0.1	ND
ETHOPROPHOS	0.010	ppm	0.2	ND
ETOFENPROX	0.010	ppm	0.4	ND
ETOXAZOLE	0.010	ppm	0.2	ND
FENHEXAMID	0.005	ppm	0.1	ND
FENOXYCARB	0.010	ppm	0.2	ND
FENPYROXIMATE	0.010	ppm	0.4	ND
FIPRONIL	0.020	ppm	0.4	ND
FLONICAMID	0.010	ppm	1	ND
FLUDIOXONIL	0.010	ppm	0.4	ND
HEXYTHIAZOX	0.010	ppm	1	ND
IMAZALIL	0.010	ppm	0.2	ND
IMIDACLOPRID	0.010	ppm	0.4	ND
KRESOXIM-METHYL	0.010	ppm	0.4	ND
MALATHION	0.010	ppm	0.2	ND
METALAXYL	0.010	ppm	0.2	ND
METHIOCARB	0.010	ppm	0.2	ND
METHOMYL	0.010	ppm	0.6	ND
MEVINPHOS	0.010	ppm	0.1	ND
MYCLOBUTANIL	0.010	ppm	0.2	ND
NALED	0.010	ppm	0.5	ND

Pesticides	LOD	Units	Action Level	Result
OXAMYL	0.010	ppm	1	ND
PACLOBUTRAZOL	0.010	ppm	0.4	ND
PERMETHRINS	0.050	ppm	1	ND
PHOSMET	0.010	ppm	0.2	ND
PIPERONYL BUTOXIDE	0.010	ppm	3	ND
PRALLETHRIN	0.050	ppm	0.2	ND
PROPICONAZOLE	0.010	ppm	0.4	ND
PROPOXUR	0.010	ppm	0.2	ND
PYRETHRIN I	0.010	ppm	1	ND
PYRIDABEN	0.005	ppm	0.2	ND
SPINETORAM	0.005	ppm	0.5	ND
SPINOSAD (SPINOSYN A)	0.010	ppm	0.2	ND
SPINOSAD (SPINOSYN D)	0.010	ppm	0.2	ND
SPIROMESIFEN	0.010	ppm	0.2	ND
SPIROTETRAMAT	0.020	ppm	0.2	ND
SPIROXAMINE	0.010	ppm	0.4	ND
TEBUCONAZOLE	0.010	ppm	0.4	ND
THIACLOPRID	0.010	ppm	0.2	ND
THIAMETHOXAM	0.010	ppm	0.5	ND
TRIFLOXYSTROBIN	0.010	ppm	0.2	ND



Pesticides

PASSED

Analyzed by 1 Weight 0.9987g Extraction date NA Extracted By NA
 Analysis Method - SOP.T.30.060, SOP.T.40.060 ,
 Analytical Batch - M0000528PES
 Instrument Used : LCMSMS 8060 P Reviewed On- 05/07/20 13:25:05
 Batch Date : 05/08/20 11:27:33

Reagent	Dilution	Consums. ID
020420.06		
100019.37	1	24153381
100019.35		00280227
100019.34		931CC
100019.32		

Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 57 Pesticides. (Method: SOP.T.30.060 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.060 Procedure for Pesticide Quantification Using LCMS). *

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David Greene
Lab Director

State License # 19-05-02P
ISO Accreditation #
17025:2017



Signature

05/08/2020

Signed On



Certificate of Analysis

PASSED
Commonwealth Extracts

 1 Louisville
 Kentucky, USA 40258
Telephone: (504) 419-7527
Email: ryan@commonwealthextracts.com

Sample : MO00505006-001
Harvest/LOT ID: N/A
Batch# : KC110601-01
Sampled : 05/05/20
Ordered : 05/05/20
Sample Size Received : 10 gram
Completed : 05/08/20 Expires: 05/08/21
Sample Method : SOP Client Method

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Residual Solvents

PASSED


Residual Solvents

PASSED

Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
TRICHLOROETHENE	3	ppm	80	PASS	ND
CHLOROFORM	0.24	ppm	60	PASS	ND
1,2-DICHLOROETHENE	0.24	ppm	1870	PASS	ND
1,1-DICHLOROETHENE	2	ppm	8	PASS	ND
PENTANES	90	ppm	2500	PASS	ND
BUTANES (N-BUTANE)	50	ppm	5000	PASS	ND
ACETONITRILE	7.2	ppm	410	PASS	ND
ACETONE	90	ppm	5000	PASS	ND
2-PROPANOL	60	ppm	5000	PASS	ND
HEXANES	6	ppm	290	PASS	ND
XYLENES	18	ppm	2170	PASS	ND
TOLUENE	18	ppm	1068	PASS	ND
PROPANE	80	ppm	5000	PASS	ND
METHANOL	30	ppm	3000	PASS	ND
XYLENES-P (1,4-DIMETHYLBENZENE)	18	ppm	2170	PASS	ND
HEPTANE	60	ppm	5000	PASS	ND
XYLENES-M (1,3-DIMETHYLBENZENE)	18	ppm	2170	PASS	ND
ETHYLENE OXIDE	0.6	ppm	50	PASS	ND
XYLENES-O (1,2-DIMETHYLBENZENE)	18	ppm	2170	PASS	ND
ETHYL ETHER	60	ppm	5000	PASS	ND
ETHYL ACETATE	48	ppm	5000	PASS	ND
DICHLOROMETHANE	15	ppm	600	PASS	ND
ETHANOL	120	ppm	5000	PASS	ND

Analyzed by	Weight	Extraction date	Extracted By
18	0.024g	05/07/20 09:05:05	18

Analysis Method -SOP.T.40.032
Analytical Batch -MO000518SOL
Reviewed On - 05/07/20 09:33:29
Instrument Used : GCMS2010
Batch Date : 05/07/20 09:31:27

Reagent	Dilution	Consums. ID
Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 33 Residual solvents. (Method: SOP.T.30.042 Residual Solvents Analysis via GC-MS).		

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David Greene
 Lab Director

 State License # 19-05-02P
 ISO Accreditation #
 17025:2017

Signature

05/08/2020

Signed On



Certificate of Analysis

PASSED
Commonwealth Extracts

 1 Louisville
 kentucky, USA 40258
Telephone: (504) 419-7527
Email: ryan@commonwealthextracts.com

Sample : MO00505006-001

Harvest/LOT ID: N/A

Batch# : KC110601-01

Sampled : 05/05/20

Ordered : 05/05/20

Sample Size Received : 10 gram

Completed : 05/08/20 **Expires:** 05/08/21

Sample Method : SOP Client Method

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Mycotoxins
PASSED

Heavy Metals
PASSED

Analyte	LOD	Units	Result	Action Level (PPM)	Reagent	Consums. ID
AFLATOXIN G2	0.001	ppm	ND	0.02	110119.52	931CC
AFLATOXIN G1	0.001	ppm	ND	0.02	110119.44	GD180020
AFLATOXIN B2	0.001	ppm	ND	0.02	112519.01	5178548A
AFLATOXIN B1	0.001	ppm	ND	0.02	110119.36	106100-01
OCHRATOXIN A+	0.001	ppm	ND	0.02		

Analysis Method -SOP.T.30.060, SOP.T.40.060
Analytical Batch -MO000529 | Reviewed On - 05/08/20 15:13:54
Instrument Used :
Batch Date : 05/08/20 11:29:02

Analyzed by	Weight	Extraction date	Extracted By
1	NA	NA	NA

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.060 for Sample Preparation and SOP.T.40.060 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0 ppb). Total Aflatoxins (Aflatoxin B1, B2, G1, G2) must be <20µg/Kg. Ochratoxins must be <20µg/Kg.

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC	0.02	ppm	ND	10
CADMIUM	0.02	ppm	ND	4.1
LEAD	0.02	ppm	ND	10
MERCURY	0.02	ppm	ND	2

Analyzed by	Weight	Extraction date	Extracted By
18	0.482g	05/07/20 09:05:09	18

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -MO000517HEA | Reviewed On - 05/07/20 10:07:12
Instrument Used : ICP-MS 2030

Batch Date : 05/07/20 09:28:35

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen down to below single digit ppb concentrations for regulated heavy metals using Method SOP.T.30.052 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.050 Heavy Metals Analysis via ICP-MS. *Action Limits based on Colorado Regulations.


Microbials
PASSED
Analyte

 ASPERGILLUS_TERREUS_1J2
 ASPERGILLUS_NIGER
 ASPERGILLUS_FUMIGATUS
 ASPERGILLUS_FLAVUS
 SALMONELLA_SPECIFIC_GENE
 ESCHERICHIA_COLI_SHIGELLA_SPP

Result

 not present in 1 gram.
 not present in 1 gram.
 not present in 1 gram.
 not present in 1 gram.
 not present in 1 gram.
 not present in 1 gram.

Analysis Method -SOP.T.40.043
Analytical Batch -NA | Reviewed On - 05/07/20 09:09:31
Instrument Used :
Batch Date :

Analyzed by	Weight	Extraction date	Extracted By
NA	NA	NA	NA

Reagent	Dilution	Consums. ID

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.

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 Lab Director

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05/08/2020

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