

Certificate of Analysis

Sample ID: EF2687

Report ID: TR-EF2687

Testing for Compliance

Report Date: 04/02/2018

Report Expiry: 04/02/2019

Test RFID: 1A401030000F105000002687

Client Name:**License No:**

020-10041847FC2

Date Sampled: 03/28/2018**Sampled by:** Yujing Wen**Sample Name:** Jack Herer Flower (buds)**Sample Type:** Usable marijuana**Sample Weight:** 35.38 g**Description of the sample, sampling condition.
Environmental conditions that may impact
interpretation of the test result:**Dry usable marijuana. Sample appeared normal.
There were no any environmental conditions that
may impact interpretation of the test result.**Summary of Test Results**

Items	Value	Pass/Fail
Total THC:	17.3%	N/A
Total CBD:	< LOQ	N/A
Water Activity:	0.446 at 23.3 °C	Pass
Moisture Content:	10.9%	N/A
Pesticides:	< LOQ	Pass

State limit for water activity is 0.65.

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Moisture Content Analysis

Testing method: SOP-004 Analyzed by: Yujing Wen Analyzed date: 03/31/2018

Batch ID: MC033118

Analyte	Result
Water	10.9%

Water Activity Analysis

Testing method: SOP-009 Analyzed by: Yujing Wen Analyzed date: 03/31/2018

Batch ID: WA033118

Analyte	Result	Temperature
Water Activity	0.446	23.3 °C

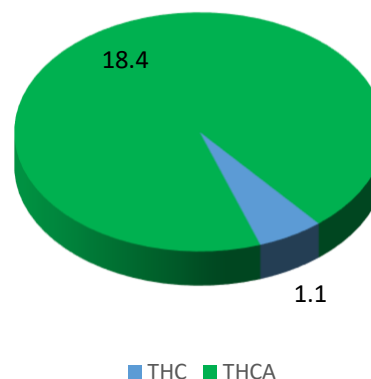
Potency Analysis

Testing method: SOP-002 Analyzed by: Yujing Wen Analyzed date: 03/29/2018

Batch ID: PO032918

Analyte	Result, %	LOQ, %
THCV	< LOQ	0.1
CBD	< LOQ	0.1
CBG	< LOQ	0.1
CBDA	< LOQ	0.1
CBN	< LOQ	0.1
Delta-9 THC	1.1	0.1
CBC	< LOQ	0.1
THCA	18.4	0.1
Total THC: $\Delta 9 + 0.877 \times \text{THCA}$	17.3	N/A
Total CBD: $\text{CBD} + 0.877 \times \text{CBDA}$	< LOQ	N/A
Total Cannabinoids:	19.7	N/A

Cannabinoids Profile



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Pesticides Analysis (Unit: ppm)

Testing method: SOP-010

Analyzed by: Yujing Wen

Analyzed date: 03/31/2018

Batch ID: PE033118

Analyte	Result	LOQ	State Action Level
Abamectin	< LOQ	0.25	0.5
Acephate	< LOQ	0.20	0.4
Acequinocyl	< LOQ	1.00	2.0
Acetamiprid	< LOQ	0.10	0.2
Aldicarb	< LOQ	0.20	0.4
Azoxystrobin	< LOQ	0.10	0.2
Bifenazate	< LOQ	0.10	0.2
Bifenthrin	< LOQ	0.10	0.2
Boscalid	< LOQ	0.20	0.4
Carbaryl	< LOQ	0.10	0.2
Carbofuran	< LOQ	0.10	0.2
Chloranthraniliprole	< LOQ	0.10	0.2
Chlorfenapyr	< LOQ	1.00	1.0
Chlorpyrifos	< LOQ	0.10	0.2
Clofentezine	< LOQ	0.10	0.2
Cyfluthrin	< LOQ	0.50	1.0
Cypermethrin	< LOQ	0.50	1.0
Daminozide	< LOQ	0.50	1.0
DDVP (Dichlorvos)	< LOQ	0.50	1.0
Diazinon	< LOQ	0.10	0.2
Dimethoate	< LOQ	0.10	0.2
Ethoprophos	< LOQ	0.10	0.2
Etofenprox	< LOQ	0.20	0.4
Etoxazole	< LOQ	0.10	0.2
Fenoxycarb	< LOQ	0.10	0.2
Fenpyroximate	< LOQ	0.20	0.4
Fipronil	< LOQ	0.20	0.4
Flonicamid	< LOQ	0.50	1.0
Fludioxonil	< LOQ	0.20	0.4

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Hexythiazox	< LOQ	0.50	1.0
Imazalil	< LOQ	0.10	0.2
Imidacloprid	< LOQ	0.20	0.4
Kresoxim-Methyl	< LOQ	0.20	0.4
Malathion	< LOQ	0.10	0.2
Metalaxyl	< LOQ	0.10	0.2
Methiocarb	< LOQ	0.10	0.2
Methomyl	< LOQ	0.20	0.4
Methyl_Parathion	< LOQ	0.20	0.2
MGK-264	< LOQ	0.10	0.2
Myclobutanil	< LOQ	0.10	0.2
NALED (Dibrom)	< LOQ	0.25	0.5
Oxamyl	< LOQ	0.50	1.0
Paclobutrazol	< LOQ	0.20	0.4
Permethrins	< LOQ	0.10	0.2
Phosmet	< LOQ	0.10	0.2
Piperonyl_Butoxide	< LOQ	1.00	2.0
Prallethrin	< LOQ	0.10	0.2
Propiconazole	< LOQ	0.20	0.4
Propoxur	< LOQ	0.10	0.2
Pyrethrin	< LOQ	0.50	1.0
Pyridaben	< LOQ	0.10	0.2
Spinosad	< LOQ	0.10	0.2
Spiromesifen	< LOQ	0.10	0.2
Spirotetramat	< LOQ	0.10	0.2
Spiroxamine	< LOQ	0.20	0.4
Tebuconazole	< LOQ	0.20	0.4
Thiacloprid	< LOQ	0.10	0.2
Thiamethoxam	< LOQ	0.10	0.2
Trifloxystrobin	< LOQ	0.10	0.2

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Quality Control Results

Potency Analysis

Test Method: SOP-002 by LC/MS/MS

Blank: MBLK		Date analyzed: 03/29/2018
Analyte	Result, %	LOQ, %
THCV	< LOQ	0.1
CBD	< LOQ	0.1
CBG	< LOQ	0.1
CBDA	< LOQ	0.1
CBN	< LOQ	0.1
Delta-9 THC	< LOQ	0.1
CBC	< LOQ	0.1
THCA	< LOQ	0.1

LCS: LCS		Date analyzed: 03/29/2018
Analyte	% Recovery	% Recovery Criteria
THCV	108	70-130
CBD	102	70-130
CBG	105	70-130
CBDA	87	70-130
CBN	110	70-130
Delta-9 THC	110	70-130
CBC	106	70-130
THCA	92	70-130

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Quality Control Results

Pesticides Analysis (Unit: ppm)

Testing method: SOP-010 by LC/MS/MS

Blank: MBLK		Date analyzed: 03/31/2018	
Analyte	Result	LOQ	State Action Level
Abamectin	< LOQ	0.25	0.5
Acephate	< LOQ	0.20	0.4
Acequinocyl	< LOQ	1.00	2.0
Acetamiprid	< LOQ	0.10	0.2
Aldicarb	< LOQ	0.20	0.4
Azoxystrobin	< LOQ	0.10	0.2
Bifenazate	< LOQ	0.10	0.2
Bifenthrin	< LOQ	0.10	0.2
Boscalid	< LOQ	0.20	0.4
Carbaryl	< LOQ	0.10	0.2
Carbofuran	< LOQ	0.10	0.2
Chloranthraniliprole	< LOQ	0.10	0.2
Chlorfenapyr	< LOQ	1.00	1.0
Chlorpyrifos	< LOQ	0.10	0.2
Clofentezine	< LOQ	0.10	0.2
Cyfluthrin	< LOQ	0.50	1.0
Cypermethrin	< LOQ	0.50	1.0
Daminozide	< LOQ	0.50	1.0
DDVP (Dichlorvos)	< LOQ	0.50	1.0
Diazinon	< LOQ	0.10	0.2
Dimethoate	< LOQ	0.10	0.2
Ethoprophos	< LOQ	0.10	0.2
Etofenprox	< LOQ	0.20	0.4
Etoxazole	< LOQ	0.10	0.2
Fenoxycarb	< LOQ	0.10	0.2
Fenpyroximate	< LOQ	0.20	0.4

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Fipronil	< LOQ	0.20	0.4
Flonicamid	< LOQ	0.50	1.0
Fludioxonil	< LOQ	0.20	0.4
Hexythiazox	< LOQ	0.50	1.0
Imazalil	< LOQ	0.10	0.2
Imidacloprid	< LOQ	0.20	0.4
Kresoxim-Methyl	< LOQ	0.20	0.4
Malathion	< LOQ	0.10	0.2
Metalaxyl	< LOQ	0.10	0.2
Methiocarb	< LOQ	0.10	0.2
Methomyl	< LOQ	0.20	0.4
Methyl_Parathion	< LOQ	0.20	0.2
MGK-264	< LOQ	0.10	0.2
Myclobutanil	< LOQ	0.10	0.2
NALED (Dibrom)	< LOQ	0.25	0.5
Oxamyl	< LOQ	0.50	1.0
Paclobutrazol	< LOQ	0.20	0.4
Permethrins	< LOQ	0.10	0.2
Phosmet	< LOQ	0.10	0.2
Piperonyl_Butoxide	< LOQ	1.00	2.0
Prallethrin	< LOQ	0.10	0.2
Propiconazole	< LOQ	0.20	0.4
Propoxur	< LOQ	0.10	0.2
Pyrethrin	< LOQ	0.50	1.0
Pyridaben	< LOQ	0.10	0.2
Spinosad	< LOQ	0.10	0.2
Spiromesifen	< LOQ	0.10	0.2
Spirotetramat	< LOQ	0.10	0.2
Spiroxamine	< LOQ	0.20	0.4
Tebuconazole	< LOQ	0.20	0.4
Thiacloprid	< LOQ	0.10	0.2
Thiamethoxam	< LOQ	0.10	0.2
Trifloxystrobin	< LOQ	0.10	0.2

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LCS: LCS		Date analyzed: 03/31/2018		
Analyte	% Recovery	% Recovery Criteria	LOQ	State Action Level
Abamectin	109	10-190	0.25	0.5
Acephate	107	50-150	0.20	0.4
Acequinocyl	116	50-150	1.00	2.0
Acetamiprid	110	50-150	0.10	0.2
Aldicarb	118	50-150	0.20	0.4
Azoxystrobin	116	50-150	0.10	0.2
Bifenazate	111	10-190	0.10	0.2
Bifenthrin	115	50-150	0.10	0.2
Boscalid	89	50-150	0.20	0.4
Carbaryl	111	50-150	0.10	0.2
Carbofuran	109	50-150	0.10	0.2
Chloranthraniliprole	106	50-150	0.10	0.2
Chlorfenapyr	106	10-190	1.00	1.0
Chlorpyrifos	94	50-150	0.10	0.2
Clofentezine	100	50-150	0.10	0.2
Cyfluthrin	97	50-150	0.50	1.0
Cypermethrin	114	50-150	0.50	1.0
Daminozide	95	50-150	0.50	1.0
DDVP (Dichlorvos)	89	50-150	0.50	1.0
Diazinon	117	50-150	0.10	0.2
Dimethoate	109	50-150	0.10	0.2
Ethoprophos	89	50-150	0.10	0.2
Etofenprox	103	50-150	0.20	0.4
Etoxazole	90	50-150	0.10	0.2
Fenoxycarb	117	50-150	0.10	0.2
Fenpyroximate	108	50-150	0.20	0.4
Fipronil	93	50-150	0.20	0.4
Flonicamid	132	50-150	0.50	1.0
Fludioxonil	88	50-150	0.20	0.4
Hexythiazox	100	50-150	0.50	1.0
Imazalil	107	50-150	0.10	0.2
Imidacloprid	104	50-150	0.20	0.4

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Kresoxim-Methyl	93	50-150	0.20	0.4
Malathion	96	50-150	0.10	0.2
Metalaxyl	115	50-150	0.10	0.2
Methiocarb	108	50-150	0.10	0.2
Methomyl	113	50-150	0.20	0.4
Methyl_Parathion	123	10-190	0.20	0.2
MGK-264	115	50-150	0.10	0.2
Myclobutanil	97	50-150	0.10	0.2
NALED (Dibrom)	96	50-150	0.25	0.5
Oxamyl	127	50-150	0.50	1.0
Paclobutrazol	89	50-150	0.20	0.4
Permethrins	110	50-150	0.10	0.2
Phosmet	90	50-150	0.10	0.2
Piperonyl_Butoxide	93	50-150	1.00	2.0
Prallethrin	94	50-150	0.10	0.2
Propiconazole	119	50-150	0.20	0.4
Propoxur	109	50-150	0.10	0.2
Pyrethrin	99	50-150	0.50	1.0
Pyridaben	98	50-150	0.10	0.2
Spinosad	95	50-150	0.10	0.2
Spiromesifen	92	50-150	0.10	0.2
Spirotetramat	90	50-150	0.10	0.2
Spiroxamine	112	50-150	0.20	0.4
Tebuconazole	89	50-150	0.20	0.4
Thiacloprid	109	50-150	0.10	0.2
Thiamethoxam	105	50-150	0.10	0.2
Trifloxystrobin	115	50-150	0.10	0.2

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Attachments:

Note: if answer is Yes for following items, statement is attached. Otherwise, no attachment.

<u>Deviation occurred in test?</u>	<u>Opinion and interpretation provided?</u>
Answer: No	Answer: No

Comments: "N/A" if there is no comment made

N/A

Shuguo Ma, Ph.D, Quality Manager

Signature:

Date:

02Apr2018

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