



Invoice: DVT-10933

Date: 9/9/2019
Terms: Due on receipt
Due Date: 9/9/2019

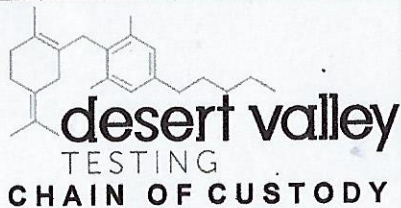
51 W. Weldon Ave.
Phoenix, AZ. 85013
Ph: 480.788.6644

PAID
09/10/2019

Bill To:

Blooming Botanicals
Sarah Birney
1373 Sebewaing Rd.
Okemos, MI 48864

Quantity	Description	Rate	Amount
1	Cannabinoid Potency - Tincture	65.00	65.00
	PayPal Handling Fee	2.40	2.40
Payment not received within terms of invoice will incur a 5% service fee. Invoice price reflects a cash discount. Credit Card Payment will include a 5% Handling Charge.		Total	\$67.40
		Payments/Credits	-\$67.40
		Balance Due	\$0.00



info@desertvalleytesting.com
 51 W. Weldon Ave. Phoenix, AZ 85013
 Phone #: 480-788-6644
 www.desertvalleytesting.com

Client: Blooming Botanicals Sarah Birney
 Address: 1373 Sebawing rd.
OKemos, MI 48864

Phone: (517) 282-2872

Contact(s): Sarah Bimal - Sarah@bloomingbotanicalshemp.com
Bryan Madle - Bryan@bloomingbotanicalshemp.com

Agent Numbers & Exp. Date
 Check box if agent # and picture copy is on file.
 Email(s):
 Page 1 of 1
 Sample(s) received by (Circle)
 Drop off
 Pick up
 By Mail

Questionnaire Included?
 Yes No

Sample Name	Batch Number	Lab Number	Grams Received	Test										Matrix									
				Cannabinoid Profile by HPLC	Terpenes	Residual Solvents	Micro Screening	Trace Metals	Bottle Rinse	Pesticides	Moisture Content	Diketones	Microbial Analysis*	Flower	Concentrate	Vape Oil	Tincture	Plant Oil	Medible *List medible type*	Oil	Other	*List Matrix*	
1 <u>Original 1000mg</u>	<u>12001</u>	<u>2019018909</u>	<u>X</u>																				
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							
13																							
14																							
15																							
16																							
17																							

Specialized Testing:
 (Check Box)
 *Microbial:
 Yeast & Mold
 Coliform/E.coli
 Aerobic
 Enterobacteria

RUSH Services
 (Check Box)

Same Day
 (\$40 per test)

Next Day
 (\$25 per test)

Chromatograms
 (\$5 per test)

Sample Images on Report
 (\$5 per sample)

Notes:
Friend

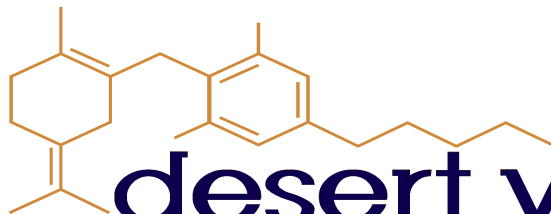
Relinquished by sampler (sign):
Sarah Birney

(print): Sarah Birney Date: 9-5-19 Time:

Sample Received DRY: (Circle) Yes No Temp: (Circle) Hot Cold Room Temp

Received by: [Signature] Date: 9/9/19 Time: 12:46

Lab Discard Date: Tech Initial:



Analysis Date: 9/09/19
 Chemist: JW

desert valley TESTING

Quality Assurance Report

Residual Solvents Quality Control Report GCMS Analysis

LRB			Opening CCV				Closing CCV			
Analyte List	Recovery (ppm)	Reporting Limit	Analyte List	Recovery (ppm)	True Value (ppm)	Recovery %	Analyte List	Recovery (ppm)	True Value (ppm)	Recovery %
Propane	NA	5.0 ppm	Propane	NA	100.00	NA	Propane	NA	100.00	NA
Isobutane	NA	5.0 ppm	Isobutane	NA	100.00	NA	Isobutane	NA	100.00	NA
n-Butane	NA	5.0 ppm	n-Butane	NA	100.00	NA	n-Butane	NA	100.00	NA
Ethanol	NA	5.0 ppm	Ethanol	NA	100.00	NA	Ethanol	NA	100.00	NA
Isopentane	NA	5.0 ppm	Isopentane	NA	100.00	NA	Isopentane	NA	100.00	NA
Acetonitrile	NA	5.0 ppm	Acetonitrile	NA	100.00	NA	Acetonitrile	NA	100.00	NA
Acetone	NA	50.0 ppm	Acetone	NA	100.00	NA	Acetone	NA	100.00	NA
2-Propanol	NA	5.0 ppm	2-Propanol	NA	100.00	NA	2-Propanol	NA	100.00	NA
n-Pentane	NA	5.0 ppm	n-Pentane	NA	100.00	NA	n-Pentane	NA	100.00	NA
n-Hexane	NA	5.0 ppm	n-Hexane	NA	100.00	NA	n-Hexane	NA	100.00	NA
Chloroform	NA	5.0 ppm	Chloroform	NA	100.00	NA	Chloroform	NA	100.00	NA
Tetrahydrofuran	NA	5.0 ppm	Tetrahydrofuran	NA	100.00	NA	Tetrahydrofuran	NA	100.00	NA
Benzene	NA	5.0 ppm	Benzene	NA	100.00	NA	Benzene	NA	100.00	NA
Carbon Tetrachloride	NA	5.0 ppm	Carbon Tetrachloride	NA	100.00	NA	Carbon Tetrachloride	NA	100.00	NA
n-Heptane	NA	5.0 ppm	n-Heptane	NA	100.00	NA	n-Heptane	NA	100.00	NA
Toluene	NA	5.0 ppm	Toluene	NA	100.00	NA	Toluene	NA	100.00	NA
Xylenes	NA	10.0 ppm	Xylenes	NA	200.00	NA	Xylenes	NA	200.00	NA

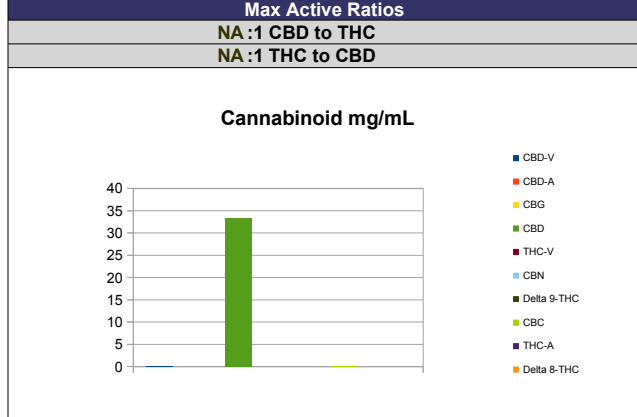
Potency Quality Control Report HPLC Analysis

LRB			Opening CCV				Closing CCV			
Analyte List	Recovery (ppm)	Reporting Limit	Analyte List	Recovery (ppm)	True Value (ppm)	Recovery %	Analyte List	Recovery (ppm)	True Value (ppm)	Recovery %
CBD-V	<2.0	2.0 ppm	CBD-V	106.20	100.00	106	CBD-V	263.07	250.00	105
CBD-A	<10.0	10.0 ppm	CBD-A	102.69	100.00	103	CBD-A	255.77	250.00	102
CBG	<2.0	2.0 ppm	CBG	21.25	20.00	106	CBG	52.98	50.00	106
CBD	<10.0	10.0 ppm	CBD	96.84	100.00	97	CBD	239.75	250.00	96
THC-V	<2.0	2.0 ppm	THC-V	99.62	100.00	100	THC-V	249.12	250.00	100
CBN	<10.0	10.0 ppm	CBN	103.58	100.00	104	CBN	250.71	250.00	104
Delta 9-THC	<10.0	10.0 ppm	Delta 9-THC	94.32	100.00	94	Delta 9-THC	235.21	250.00	94
CBG	<2.0	2.0 ppm	CBG	106.21	100.00	106	CBG	266.39	250.00	107
THC-A	<10.0	10.0 ppm	THC-A	98.99	100.00	99	THC-A	248.17	250.00	99
Delta 8-THC	<100.0	100.0 ppm	Delta 8-THC	101.85	100.00	102	Delta 8-THC	253.40	250.00	101

Terpene Quality Control Report GCMS Analysis

LRB			Opening CCV				Closing CCV			
Analyte List	Recovery (ppm)	Reporting Limit	Analyte List	Recovery (ppm)	True Value (ppm)	Recovery %	Analyte List	Recovery (ppm)	True Value (ppm)	Recovery %
alpha-Pinene	NA	1.0 ppm	alpha-Pinene	NA	50.00	NA	alpha-Pinene	NA	50.00	NA
Camphene	NA	1.0 ppm	Camphene	NA	50.00	NA	Camphene	NA	50.00	NA
Sabinene	NA	1.0 ppm	Sabinene	NA	50.00	NA	Sabinene	NA	50.00	NA
beta-Myrcene	NA	1.0 ppm	beta-Myrcene	NA	50.00	NA	beta-Myrcene	NA	50.00	NA
Beta-Pinene	NA	1.0 ppm	Beta-Pinene	NA	50.00	NA	Beta-Pinene	NA	50.00	NA
p-mentha-1-5-diene	NA	1.0 ppm	p-mentha-1-5-diene	NA	50.00	NA	p-mentha-1-5-diene	NA	50.00	NA
(1S)-(+)-3-Carene	NA	1.0 ppm	(1S)-(+)-3-Carene	NA	50.00	NA	(1S)-(+)-3-Carene	NA	50.00	NA
Alpha-Terpinene	NA	1.0 ppm	Alpha-Terpinene	NA	50.00	NA	Alpha-Terpinene	NA	50.00	NA
Ocimene Isomer 1	NA	1.0 ppm	Ocimene Isomer 1	NA	50.00	NA	Ocimene Isomer 1	NA	50.00	NA
(R)-(+)-Limonene	NA	1.0 ppm	(R)-(+)-Limonene	NA	50.00	NA	(R)-(+)-Limonene	NA	50.00	NA
Ocimene Isomer2	NA	1.0 ppm	Ocimene Isomer2	NA	50.00	NA	Ocimene Isomer2	NA	50.00	NA
Eucalyptol (1,8-Cineol)	NA	1.0 ppm	Eucalyptol (1,8-Cineol)	NA	50.00	NA	Eucalyptol (1,8-Cineol)	NA	50.00	NA
gamma-Terpinene	NA	1.0 ppm	gamma-Terpinene	NA	50.00	NA	gamma-Terpinene	NA	50.00	NA
Sabinene Hydrate	NA	1.0 ppm	Sabinene Hydrate	NA	50.00	NA	Sabinene Hydrate	NA	50.00	NA
Terpinolene	NA	1.0 ppm	Terpinolene	NA	50.00	NA	Terpinolene	NA	50.00	NA
Linalool	NA	1.0 ppm	Linalool	NA	50.00	NA	Linalool	NA	50.00	NA
(+)-Fenchone and L(-)-Fenchone	NA	1.0 ppm	(+)-Fenchone and L(-)-Fenchone	NA	100.00	NA	(+)-Fenchone and L(-)-Fenchone	NA	100.00	NA
1R)-Endo-(+)-Fenchyl	NA	1.0 ppm	1R)-Endo-(+)-Fenchyl	NA	50.00	NA	1R)-Endo-(+)-Fenchyl	NA	50.00	NA
(-)-Isopulegol	NA	1.0 ppm	(-)-Isopulegol	NA	50.00	NA	(-)-Isopulegol	NA	50.00	NA
Camphor	NA	1.0 ppm	Camphor	NA	100.00	NA	Camphor	NA	100.00	NA
Isoborneol	NA	1.0 ppm	Isoborneol	NA	50.00	NA	Isoborneol	NA	50.00	NA
Hexahydrothymol	NA	1.0 ppm	Hexahydrothymol	NA	50.00	NA	Hexahydrothymol	NA	50.00	NA
(+)-Borneol and (-) Borneol	NA	1.0 ppm	(+)-Borneol and (-) Borneol	NA	50.00	NA	(+)-Borneol and (-) Borneol	NA	50.00	NA
alpha-Terpineol	NA	1.0 ppm	alpha-Terpineol	NA	50.00	NA	alpha-Terpineol	NA	50.00	NA
gamma-Terpineol	NA	1.0 ppm	gamma-Terpineol	NA	50.00	NA	gamma-Terpineol	NA	50.00	NA
Nerol	NA	1.0 ppm	Nerol	NA	50.00	NA	Nerol	NA	50.00	NA
Geraniol	NA	1.0 ppm	Geraniol	NA	50.00	NA	Geraniol	NA	50.00	NA
(+)-Pulegone	NA	1.0 ppm	(+)-Pulegone	NA	50.00	NA	(+)-Pulegone	NA	50.00	NA
Geranyl Acetate	NA	1.0 ppm	Geranyl Acetate	NA	50.00	NA	Geranyl Acetate	NA	50.00	NA
alpha-Cedrene	NA	1.0 ppm	alpha-Cedrene	NA	50.00	NA	alpha-Cedrene	NA	50.00	NA
trans-Caryophyllene	NA	1.0 ppm	trans-Caryophyllene	NA	50.00	NA	trans-Caryophyllene	NA	50.00	NA
alpha-Humulene	NA	1.0 ppm	alpha-Humulene	NA	50.00	NA	alpha-Humulene	NA	50.00	NA
Valencene	NA	1.0 ppm	Valencene	NA	50.00	NA	Valencene	NA	50.00	NA
cis-Nerolidol	NA	1.0 ppm	cis-Nerolidol	NA	50.00	NA	cis-Nerolidol	NA	50.00	NA
trans-Nerolidol	NA	1.0 ppm	trans-Nerolidol	NA	50.00	NA	trans-Nerolidol	NA	50.00	NA
Guaiol	NA	1.0 ppm	Guaiol	NA	50.00	NA	Guaiol	NA	50.00	NA
(-)-Caryophyllene Oxide	NA	1.0 ppm	(-)-Caryophyllene Oxide	NA	50.00	NA	(-)-Caryophyllene Oxide	NA	50.00	NA
(+)-Cedrol	NA	1.0 ppm	(+)-Cedrol	NA	50.00	NA	(+)-Cedrol	NA	50.00	NA
(-)-alpha-Bisabolol	NA	1.0 ppm	(-)-alpha-Bisabolol	NA	50.00	NA	(-)-alpha-Bisabolol	NA	50.00	NA

Sample Information			
Sample Identification	Original 1000mg		
Laboratory Number	2019018909		
Batch Number	12001		
Matrix	Tincture		
Analyzed Date	09/09/19		
Extraction Date	09/09/19		
Cannabinoid (HPLC)	mg/mL	mg/Bottle	%
CBD-V	0.02	NA	0.00%
CBD-A	ND	NA	ND
CBG	ND	NA	ND
CBD	33.44	NA	3.60%
THC-V	ND	NA	ND
CBN	ND	NA	ND
Delta 9-THC	ND	NA	ND
CBC	0.05	NA	0.01%
THC-A	ND	NA	ND
Delta 8-THC	ND	NA	ND
Cannabinoids Total			
Max Active THC	ND	NA	ND
Max Active CBD	33.44	NA	3.60%
T. Active Cannabinoids	33.51	NA	3.61%
Total Cannabinoids	33.51	NA	3.61%



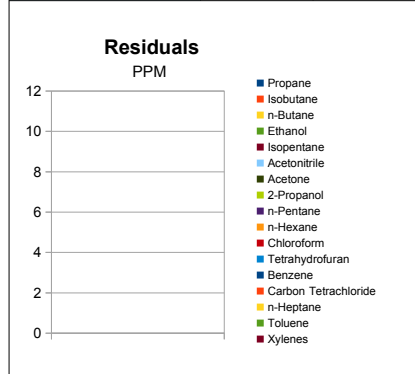
Sample Image

No Image Available

Micro Visual: NOT TESTED

Percent Moisture: NOT TESTED

RS (GCMS-MS)	PPM	RL
Compound		
Propane	NT	5.0
Isobutane	NT	5.0
n-Butane	NT	5.0
Ethanol	NT	5.0
Isopentane	NT	5.0
Acetonitrile	NT	5.0
Acetone	NT	50.0
2-Propanol	NT	5.0
n-Pentane	NT	5.0
n-Hexane	NT	5.0
Chloroform	NT	5.0
Tetrahydrofuran	NT	5.0
Benzene	NT	5.0
Carbon Tetrachloride	NT	5.0
n-Heptane	NT	5.0
Toluene	NT	5.0
Xylenes	NT	10.0



mL/Bottle	NA
mg THC/Bottle	NA
mg CBD/Bottle	NA
(mg) total cannabinoids/bottle	NA

Metals	PPM	RL
Compound		
Lead	NT	0.018
Arsenic	NT	0.007
Cadmium	NT	0.004
Mercury	NT	0.020

Microbial	CFU/g
Compound	
Enterobacteriaceae	NT
Coliform	NT
Ecoli	NT
Aerobic	NT
Yeast	NT
Mold	NT

Terpene (GC-MS)	mg/mL	mg/Bottle
Compound		
alpha-Pinene	NT	NT
Camphene	NT	NT
Sabinene	NT	NT
beta-Myrcene	NT	NT
Beta-Pinene	NT	NT
p-mentha-1-5-diene	NT	NT
(1S)-(+)-3-Carene	NT	NT
Alpha-Terpinene	NT	NT
Ocimene Isomer 1	NT	NT
(R)-(+)-Limonene	NT	NT
Ocimene Isomer2	NT	NT
Eucalyptol (1,8-Cineole)	NT	NT
gamma-Terpinene	NT	NT
Sabinene Hydrate	NT	NT
Terpinolene	NT	NT
Linalool	NT	NT
(+)-Fenchone and L(-)-Fenchone	NT	NT
1R)-Endo-(+)-Fenchyl	NT	NT
(-)-Isopulegol	NT	NT
Camphor	NT	NT
Isoborneol	NT	NT
Hexahydrothymol	NT	NT
(+)-Borneol and (-) Borneol	NT	NT
alpha-Terpineol	NT	NT
gamma-Terpineol	NT	NT
Nerol	NT	NT
Geraniol	NT	NT
(+) -Pulegone	NT	NT
Geranyl Acetate	NT	NT
alpha-Cedrene	NT	NT
trans- Caryophyllene	NT	NT
alpha-Humulene	NT	NT
Valencene	NT	NT
cis-Nerolidol	NT	NT
trans-Nerolidol	NT	NT
Guaiol	NT	NT
(-)-Caryophyllene Oxide	NT	NT
(+)-Cedrol	NT	NT
(-)-alpha-Bisabolol	NT	NT
Total Terpenes	NA	NA



Chemist: JW
Report Expires: 12/08/19

RL=Reporting Limit
 NA=Not Applicable
 NT=Not Tested
 ND=Non Detected
 TNTC=Too Numerous to Count

