

Desert Valley Testing
51 W. Weldon Ave
Phoenix, Arizona 85013
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www.desertvalleytesting.com



Analysis Date: 09/10/19
Chemist: JR

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	<5.0	5.0 ppm	Propane	297.97	100.00	NA	Propane	NA	NA	NA
Isobutane	<5.0	5.0 ppm	Isobutane	NA	100.00	NA	Isobutane	NA	NA	NA
n-Butane	<5.0	5.0 ppm	n-Butane	NA	100.00	NA	n-Butane	NA	NA	NA
Ethanol	<5.0	5.0 ppm	Ethanol	100.67	100.00	101	Ethanol	NA	NA	NA
Isopentane	<5.0	5.0 ppm	Isopentane	NA	100.00	NA	Isopentane	NA	NA	NA
Acetonitrile	<5.0	5.0 ppm	Acetonitrile	109.82	100.00	110	Acetonitrile	NA	NA	NA
Acetone	<50.0	50.0 ppm	Acetone	108.63	100.00	109	Acetone	NA	NA	NA
2-Propanol	<5.0	5.0 ppm	2-Propanol	104.30	100.00	104	2-Propanol	NA	NA	NA
n-Pentane	<5.0	5.0 ppm	n-Pentane	112.68	100.00	113	n-Pentane	NA	NA	NA
n-Hexane	<5.0	5.0 ppm	n-Hexane	102.96	100.00	103	n-Hexane	NA	NA	NA
Chloroform	<5.0	5.0 ppm	Chloroform	105.82	100.00	106	Chloroform	NA	NA	NA
Tetrahydrofuran	<5.0	5.0 ppm	Tetrahydrofuran	103.35	100.00	103	Tetrahydrofuran	NA	NA	NA
Benzene	<5.0	5.0 ppm	Benzene	105.94	100.00	106	Benzene	NA	NA	NA
Carbon Tetrachloride	<5.0	5.0 ppm	Carbon Tetrachloride	102.82	100.00	103	Carbon Tetrachloride	NA	NA	NA
n-Heptane	<5.0	5.0 ppm	n-Heptane	113.52	100.00	114	n-Heptane	NA	NA	NA
Toluene	<5.0	5.0 ppm	Toluene	109.46	100.00	109	Toluene	NA	NA	NA
Xylenes	<10.0	10.0 ppm	Xylenes	229.76	200.00	115	Xylenes	NA	NA	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	105.57	100.00	106	CBD-V	259.80	250.00	104
CBD-A	<10.0	10.0 ppm	CBD-A	104.02	100.00	104	CBD-A	265.39	250.00	106
CBG	<2.0	2.0 ppm	CBG	20.42	20.00	102	CBG	52.88	50.00	106
CBD	<10.0	10.0 ppm	CBD	101.79	100.00	102	CBD	258.08	250.00	103
THC-V	<2.0	2.0 ppm	THC-V	107.67	100.00	108	THC-V	265.21	250.00	106
CBN	<10.0	10.0 ppm	CBN	103.01	100.00	103	CBN	264.63	250.00	106
Delta 9-THC	<10.0	10.0 ppm	Delta 9-THC	102.02	100.00	102	Delta 9-THC	260.86	250.00	104
CBC	<2.0	2.0 ppm	CBC	104.12	100.00	104	CBC	259.80	250.00	104
THC-A	<10.0	10.0 ppm	THC-A	102.71	100.00	103	THC-A	265.77	250.00	106
Delta 8-THC	<100.0	100.0 ppm	Delta 8-THC	104.87	100.00	105	Delta 8-THC	260.18	250.00	104

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	<1.0	1.0 ppm	alpha-Pinene	51.91	50.00	104	alpha-Pinene	45.18	50.00	90
Camphene	<1.0	1.0 ppm	Camphene	48.74	50.00	97	Camphene	42.99	50.00	86
Sabinene	<1.0	1.0 ppm	Sabinene	51.02	50.00	102	Sabinene	44.13	50.00	88
Beta-Myrcene	<1.0	1.0 ppm	Beta-Myrcene	46.40	50.00	93	Beta-Myrcene	47.20	50.00	94
Beta-Pinene	<1.0	1.0 ppm	Beta-Pinene	49.66	50.00	99	Beta-Pinene	42.89	50.00	86
p-mentha-1-5-diene	<1.0	1.0 ppm	p-mentha-1-5-diene	52.19	50.00	104	p-mentha-1-5-diene	42.91	50.00	86
(1S)-(+)-3-Carene	<1.0	1.0 ppm	(1S)-(+)-3-Carene	50.07	50.00	100	(1S)-(+)-3-Carene	42.23	50.00	84
Alpha-Terpinene	<1.0	1.0 ppm	Alpha-Terpinene	51.32	50.00	103	Alpha-Terpinene	42.16	50.00	84
Ocimene Isomer 1	<1.0	1.0 ppm	Ocimene Isomer 1	48.55	50.00	97	Ocimene Isomer 1	40.93	50.00	82
(R)-(+)-Limonene	<1.0	1.0 ppm	(R)-(+)-Limonene	52.50	50.00	105	(R)-(+)-Limonene	44.42	50.00	89
Ocimene Isomer2	<1.0	1.0 ppm	Ocimene Isomer2	49.21	50.00	98	Ocimene Isomer2	39.90	50.00	80
Eucalyptol (1,8-Cineol)	<1.0	1.0 ppm	Eucalyptol (1,8-Cineol)	51.57	50.00	103	Eucalyptol (1,8-Cineol)	43.15	50.00	86
gamma-Terpinene	<1.0	1.0 ppm	gamma-Terpinene	52.20	50.00	104	gamma-Terpinene	43.57	50.00	87
Sabinene Hydrate	<1.0	1.0 ppm	Sabinene Hydrate	51.04	50.00	102	Sabinene Hydrate	40.28	50.00	81
Terpinolene	<1.0	1.0 ppm	Terpinolene	51.34	50.00	103	Terpinolene	41.85	50.00	84
Linalool	<1.0	1.0 ppm	Linalool	52.76	50.00	106	Linalool	43.96	50.00	88
(+)-Fenchone and L(-)-Fenchone	<1.0	1.0 ppm	(+)-Fenchone and L(-)-Fenchone	110.87	100.00	111	(+)-Fenchone and L(-)-Fenchone	90.51	100.00	91
(1R)-Endo-(+)-Fenchyl	<1.0	1.0 ppm	(1R)-Endo-(+)-Fenchyl	53.48	50.00	107	(1R)-Endo-(+)-Fenchyl	43.52	50.00	87
(-)-Isopulegol	<1.0	1.0 ppm	(-)-Isopulegol	52.26	50.00	105	(-)-Isopulegol	38.76	50.00	78
Camphor	<1.0	1.0 ppm	Camphor	103.87	100.00	104	Camphor	87.07	100.00	87
Isoborneol	<1.0	1.0 ppm	Isoborneol	53.19	50.00	106	Isoborneol	44.04	50.00	88
Hexahydrothymol	<1.0	1.0 ppm	Hexahydrothymol	51.72	50.00	103	Hexahydrothymol	46.42	50.00	93
(+)-Borneol and (-)-Borneol	<1.0	1.0 ppm	(+)-Borneol and (-)-Borneol	50.35	50.00	101	(+)-Borneol and (-)-Borneol	43.31	50.00	87
alpha-Terpineol	<1.0	1.0 ppm	alpha-Terpineol	51.40	50.00	103	alpha-Terpineol	43.25	50.00	87
gamma-Terpineol	<1.0	1.0 ppm	gamma-Terpineol	51.96	50.00	104	gamma-Terpineol	42.39	50.00	85
Nerol	<1.0	1.0 ppm	Nerol	54.09	50.00	108	Nerol	39.89	50.00	80
Geraniol	<1.0	1.0 ppm	Geraniol	50.74	50.00	101	Geraniol	46.14	50.00	92
(+)-Pulegone	<1.0	1.0 ppm	(+)-Pulegone	50.54	50.00	101	(+)-Pulegone	42.01	50.00	84
Geranyl Acetate	<1.0	1.0 ppm	Geranyl Acetate	55.02	50.00	110	Geranyl Acetate	35.09	50.00	70
alpha-Cedrene	<1.0	1.0 ppm	alpha-Cedrene	50.63	50.00	101	alpha-Cedrene	41.80	50.00	84
trans-Caryophyllene	<1.0	1.0 ppm	trans-Caryophyllene	50.73	50.00	101	trans-Caryophyllene	42.64	50.00	85
alpha-Humulene	<1.0	1.0 ppm	alpha-Humulene	50.55	50.00	101	alpha-Humulene	40.88	50.00	82
Valencene	<1.0	1.0 ppm	Valencene	52.68	50.00	105	Valencene	41.54	50.00	83
cis-Nerolidol	<1.0	1.0 ppm	cis-Nerolidol	53.38	50.00	107	cis-Nerolidol	40.70	50.00	81
trans-Nerolidol	<1.0	1.0 ppm	trans-Nerolidol	50.90	50.00	102	trans-Nerolidol	39.27	50.00	79
Guaiol	<1.0	1.0 ppm	Guaiol	49.63	50.00	99	Guaiol	46.79	50.00	94
(-)-Caryophyllene Oxide	<1.0	1.0 ppm	(-)-Caryophyllene Oxide	53.77	50.00	108	(-)-Caryophyllene Oxide	41.44	50.00	83
(+)-Cedrol	<1.0	1.0 ppm	(+)-Cedrol	51.46	50.00	103	(+)-Cedrol	41.82	50.00	84
(-)-alpha-Bisabolol	<1.0	1.0 ppm	(-)-alpha-Bisabolol	52.88	50.00	106	(-)-alpha-Bisabolol	40.46	50.00	81



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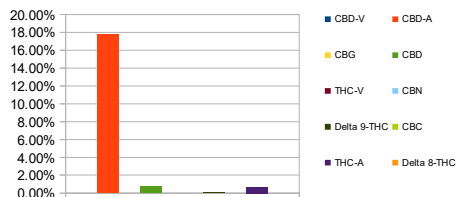
480-788-6644

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Sample Information	
Sample Identification	Sunbeam Haze
Laboratory Number	2019018944
Batch Number	01
Matrix	Flower
Analyzed Date	09/09/19
Extraction Date	09/09/19
Cannabinoid (HPLC)	mg/g
Compound	
CBD-V	ND
CBD-A	17.77%
CBG	ND
CBD	0.72%
THC-V	ND
CBN	ND
Delta 9-THC	0.06%
CBC	ND
THC-A	0.66%
Delta 8-THC	ND
Cannabinoids Total	
Max Active THC	0.65%
Max Active CBD	16.36%
T. Active Cannabinoids	0.78%
Total Cannabinoids	19.22%

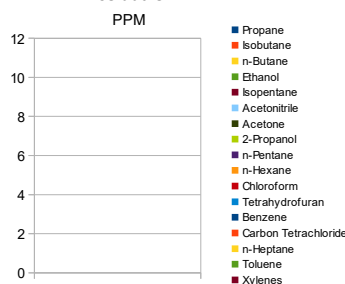
Max Active Ratios	
25.4:1 CBD to THC	
0.0:1 THC to CBD	

Cannabinoid %



RS (GCMS-HS)	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

Residuals



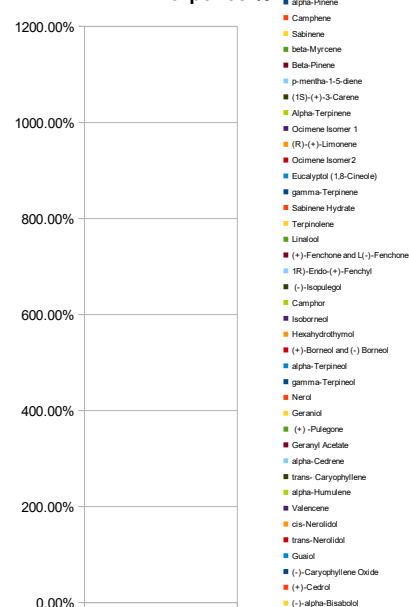
g/medible
NA
mg THC/medible
NA
mg CBD/medible
NA
(mg) total cannabinoids/medible
NA

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/g
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	NT	NT

Terpenes %



Chemist: JR

Report Expires: 12/08/19

RL=Reporting Limit

NA=Not Applicable

NT=Not Tested

ND=Non Detected

TNTC=Too Numerous to Count

