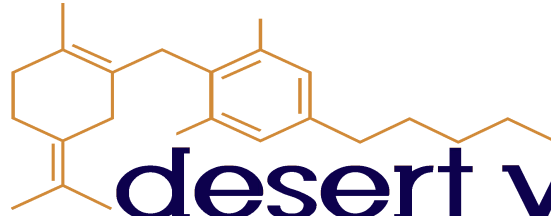


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desert valley TESTING

Quality Assurance Report

Analysis Date: 11/4/19
 Chemist: JW

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	NA	100.00	NA	Propane	NA	100.00	NA
Isobutane	<5.0	5.0 ppm	Isobutane	104.16	100.00	104	Isobutane	NA	100.00	NA
n-Butane	<5.0	5.0 ppm	n-Butane	114.43	100.00	114	n-Butane	NA	100.00	NA
Ethanol	<5.0	5.0 ppm	Ethanol	89.21	100.00	89	Ethanol	NA	100.00	NA
Isopentane	<5.0	5.0 ppm	Isopentane	NA	100.00	NA	Isopentane	NA	100.00	NA
Acetonitrile	<5.0	5.0 ppm	Acetonitrile	88.66	100.00	89	Acetonitrile	NA	100.00	NA
Acetone	<50.0	50.0 ppm	Acetone	104.69	100.00	105	Acetone	NA	100.00	NA
2-Propanol	<5.0	5.0 ppm	2-Propanol	90.12	100.00	90	2-Propanol	NA	100.00	NA
n-Pentane	<5.0	5.0 ppm	n-Pentane	96.16	100.00	96	n-Pentane	NA	100.00	NA
n-Hexane	<5.0	5.0 ppm	n-Hexane	116.34	100.00	116	n-Hexane	NA	100.00	NA
Chloroform	<5.0	5.0 ppm	Chloroform	111.16	100.00	111	Chloroform	NA	100.00	NA
Tetrahydrofuran	<5.0	5.0 ppm	Tetrahydrofuran	91.74	100.00	92	Tetrahydrofuran	NA	100.00	NA
Benzene	<5.0	5.0 ppm	Benzene	137.97	100.00	138	Benzene	NA	100.00	NA
Carbon Tetrachloride	<5.0	5.0 ppm	Carbon Tetrachloride	131.97	100.00	132	Carbon Tetrachloride	NA	100.00	NA
n-Heptane	<5.0	5.0 ppm	n-Heptane	92.37	100.00	92	n-Heptane	NA	100.00	NA
Toluene	<5.0	5.0 ppm	Toluene	143.26	100.00	143	Toluene	NA	100.00	NA
Xylenes	<10.0	10.0 ppm	Xylenes	281.24	200.00	141	Xylenes	NA	100.00	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	106.09	100.00	106	CBD-V	260.39	250.00	104
CBD-A	<10.0	10.0 ppm	CBD-A	105.11	100.00	105	CBD-A	257.39	250.00	103
CBG	<2.0	2.0 ppm	CBG	19.90	20.00	100	CBG	50.32	50.00	101
CBD	<10.0	10.0 ppm	CBD	103.95	100.00	104	CBD	255.14	250.00	102
THC-V	<2.0	2.0 ppm	THC-V	105.19	100.00	105	THC-V	260.90	250.00	104
CBN	<10.0	10.0 ppm	CBN	104.65	100.00	105	CBN	259.43	250.00	104
Delta 9-THC	<10.0	10.0 ppm	Delta 9-THC	103.61	100.00	104	Delta 9-THC	255.50	250.00	102
CBG	<2.0	2.0 ppm	CBG	105.31	100.00	105	CBG	261.79	250.00	105
THC-A	<10.0	10.0 ppm	THC-A	104.18	100.00	104	THC-A	258.49	250.00	103
Delta 8-THC	<100.0	100.0 ppm	Delta 8-THC	103.81	100.00	104	Delta 8-THC	258.14	250.00	103

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	51.83	50.00	104	alpha-Pinene	NA	NA	NA
Camphene	<1.0	1.0 ppm	Camphene	50.67	50.00	101	Camphene	NA	NA	NA
Sabinene	<1.0	1.0 ppm	Sabinene	48.74	50.00	97	Sabinene	NA	NA	NA
beta-Myrcene	<1.0	1.0 ppm	beta-Myrcene	51.13	50.00	102	beta-Myrcene	NA	NA	NA
Beta-Pinene	<1.0	1.0 ppm	Beta-Pinene	49.48	50.00	99	Beta-Pinene	NA	NA	NA
p-mentha-1-5-diene	<1.0	1.0 ppm	p-mentha-1-5-diene	50.17	50.00	100	p-mentha-1-5-diene	NA	NA	NA
(1S)-(+)-3-Carene	<1.0	1.0 ppm	(1S)-(+)-3-Carene	50.34	50.00	101	(1S)-(+)-3-Carene	NA	NA	NA
Alpha-Terpinene	<1.0	1.0 ppm	Alpha-Terpinene	50.52	50.00	101	Alpha-Terpinene	NA	NA	NA
Ocimene Isomer 1	<1.0	1.0 ppm	Ocimene Isomer 1	50.88	50.00	102	Ocimene Isomer 1	NA	NA	NA
(R)-(+)-Limonene	<1.0	1.0 ppm	(R)-(+)-Limonene	48.49	50.00	97	(R)-(+)-Limonene	NA	NA	NA
OCimene Isomer2	<1.0	1.0 ppm	OCimene Isomer2	49.56	50.00	99	OCimene Isomer2	NA	NA	NA
Eucalyptol (1,8-Cineol)	<1.0	1.0 ppm	Eucalyptol (1,8-Cineol)	47.59	50.00	95	Eucalyptol (1,8-Cineol)	NA	NA	NA
gamma-Terpinene	<1.0	1.0 ppm	gamma-Terpinene	50.61	50.00	101	gamma-Terpinene	NA	NA	NA
Sabinene Hydrate	<1.0	1.0 ppm	Sabinene Hydrate	46.44	50.00	93	Sabinene Hydrate	NA	NA	NA
Terpinolene	<1.0	1.0 ppm	Terpinolene	50.52	50.00	101	Terpinolene	NA	NA	NA
Linalool	<1.0	1.0 ppm	Linalool	47.77	50.00	96	Linalool	NA	NA	NA
(+)-Fenchone and L(-)-Fenchone	<1.0	1.0 ppm	(+)-Fenchone and L(-)-Fenchone	99.08	100.00	99	(+)-Fenchone and L(-)-Fenchone	NA	NA	NA
(1R)-Endo-(+)-Fenchyl	<1.0	1.0 ppm	(1R)-Endo-(+)-Fenchyl	47.06	50.00	94	(1R)-Endo-(+)-Fenchyl	NA	NA	NA
(-)-Isopulegol	<1.0	1.0 ppm	(-)-Isopulegol	45.88	50.00	92	(-)-Isopulegol	NA	NA	NA
Camphor	<1.0	1.0 ppm	Camphor	98.69	100.00	99	Camphor	NA	NA	NA
Isoborneol	<1.0	1.0 ppm	Isoborneol	49.08	50.00	98	Isoborneol	NA	NA	NA
Hexahydrothymol	<1.0	1.0 ppm	Hexahydrothymol	41.03	50.00	82	Hexahydrothymol	NA	NA	NA
(+)-Borneol and (-)-Borneol	<1.0	1.0 ppm	(+)-Borneol and (-)-Borneol	45.54	50.00	91	(+)-Borneol and (-)-Borneol	NA	NA	NA
alpha-Terpineol	<1.0	1.0 ppm	alpha-Terpineol	46.91	50.00	94	alpha-Terpineol	NA	NA	NA
gamma-Terpineol	<1.0	1.0 ppm	gamma-Terpineol	46.47	50.00	93	gamma-Terpineol	NA	NA	NA
Nerol	<1.0	1.0 ppm	Nerol	45.20	50.00	90	Nerol	NA	NA	NA
Geraniol	<1.0	1.0 ppm	Geraniol	43.30	50.00	87	Geraniol	NA	NA	NA
(+)-Pulegone	<1.0	1.0 ppm	(+)-Pulegone	49.06	50.00	98	(+)-Pulegone	NA	NA	NA
Geranyl Acetate	<1.0	1.0 ppm	Geranyl Acetate	46.82	50.00	94	Geranyl Acetate	NA	NA	NA
alpha-Cedrene	<1.0	1.0 ppm	alpha-Cedrene	48.28	50.00	97	alpha-Cedrene	NA	NA	NA
trans-Caryophyllene	<1.0	1.0 ppm	trans-Caryophyllene	47.40	50.00	95	trans-Caryophyllene	NA	NA	NA
alpha-Humulene	<1.0	1.0 ppm	alpha-Humulene	48.13	50.00	96	alpha-Humulene	NA	NA	NA
Valencene	<1.0	1.0 ppm	Valencene	47.77	50.00	96	Valencene	NA	NA	NA
cis-Nerolidol	<1.0	1.0 ppm	cis-Nerolidol	44.16	50.00	88	cis-Nerolidol	NA	NA	NA
trans-Nerolidol	<1.0	1.0 ppm	trans-Nerolidol	44.13	50.00	88	trans-Nerolidol	NA	NA	NA
Guaiol	<1.0	1.0 ppm	Guaiol	50.58	50.00	101	Guaiol	NA	NA	NA
(-)-Caryophyllene Oxide	<1.0	1.0 ppm	(-)-Caryophyllene Oxide	52.95	50.00	106	(-)-Caryophyllene Oxide	NA	NA	NA
(+)-Cedrol	<1.0	1.0 ppm	(+)-Cedrol	46.26	50.00	93	(+)-Cedrol	NA	NA	NA
(-)-alpha-Bisabolol	<1.0	1.0 ppm	(-)-alpha-Bisabolol	47.16	50.00	94	(-)-alpha-Bisabolol	NA	NA	NA