



CERTIFICATE OF ANALYSIS



Customer: Balanced Health Botanicals - Sheridan, CO 80110

Order #: 708701
Batch #: 1719305V1
Order Date: 11/06/2019
Collection Date: 11/06/2019
Report Date: 11/12/2019

Specimen Type: Extract
Description: TEC Vape GDP
Extracted From: Industrial Hemp
Method: SOP-3

Initial Gross Weight: 42303.00(mg)
Specimen Weight: 116.91(mg)
Density: 1.055321(g/ml)

Potency - 11

(HPLC)

Analyte	Result (mg/ml)	(%)	LOQ (%)	Analyte	Result (mg/ml)	(%)	LOQ (%)	Analyte	Result (mg/ml)	(%)	LOQ (%)
CBC		ND	0.001	CBD	369.996	35.060	0.001	CBDA		ND	0.001
CBDV	0.987	0.093	0.001	CBG		ND	0.001	CBGA		ND	0.001
CBN		ND	0.001	Delta-8-THC		ND	0.001	Delta-9-THC	0.517	0.049	0.001
THCA-A		ND	0.001	THCV	0.410	0.039	0.001	Total CBD	369.996	35.060	0.001
Total THC	0.517	0.049	0.001								

Pesticides (Passed)

(LCMS/MS)

Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)
Abamectin	100.000	<LOQ	30.000	Acephate	100.000	<LOQ	30.000	Acequinocyl	100.000	<LOQ	48.000
Acetamiprid	100.000	<LOQ	30.000	Aldicarb	50.000	<LOQ	30.000	Azoxystrobin	50.000	<LOQ	30.000
Bifenazate	100.000	<LOQ	30.000	Bifenthrin	100.000	<LOQ	30.000	Chlorfenapyr	50.000	<LOQ	30.000
Chlorpyrifos	100.000	<LOQ	30.000	Clofentezine	200.000	<LOQ	30.000	Coumaphos	50.000	<LOQ	30.000
Cyfluthrin	100.000	<LOQ	30.000	Cypermethrin	500.000	<LOQ	30.000	Daminozide	500.000	<LOQ	30.000
DDVP(Dichlorvos)	100.000	<LOQ	30.000	Diazinon	50.000	<LOQ	30.000	Dimethoate	50.000	<LOQ	30.000
Dimethomorph	50.000	<LOQ	30.000	Ethoprop(hos)	50.000	<LOQ	30.000	Etofenprox	50.000	<LOQ	30.000
Etoazole	50.000	<LOQ	30.000	Fenhexamid	100.000	<LOQ	30.000	Fenoxycarb	50.000	<LOQ	30.000
Fipronil	50.000	<LOQ	30.000	Flonicamid	400.000	<LOQ	30.000	Fludioxonil	100.000	<LOQ	30.000
Hexythiazox	250.000	<LOQ	30.000	Imazalil	100.000	<LOQ	30.000	Imidacloprid	100.000	<LOQ	30.000
Kresoxim Methyl	100.000	<LOQ	30.000	Malathion A	50.000	<LOQ	30.000	Metalaxyl	50.000	<LOQ	30.000
Methiocarb	50.000	<LOQ	30.000	Methomyl	100.000	<LOQ	30.000	Mevinphos	50.000	<LOQ	30.000
Myclobutanil	100.000	<LOQ	30.000	Naled	250.000	<LOQ	30.000	Oxamyl	250.000	<LOQ	30.000
Paclobutrazol	50.000	<LOQ	30.000	Parathion-methyl	100.000	<LOQ	30.000	Pentachloronitrobenzene	50.000	<LOQ	30.000
Permethrin	100.000	<LOQ	30.000	Phosmet	100.000	<LOQ	30.000	Piperonylbutoxide	3,000.000	<LOQ	30.000
Prallethrin	100.000	<LOQ	30.000	Propiconazole	100.000	<LOQ	30.000	Propoxur	100.000	<LOQ	30.000
Pyrethrins	500.000	<LOQ	30.000	Pyridaben	200.000	<LOQ	30.000	Spinetoram	200.000	<LOQ	30.000
Spinosyn A	100.000	<LOQ	30.000	Spinosyn D	100.000	<LOQ	30.000	Spiromesifen	100.000	<LOQ	30.000
Spirotetramat	100.000	<LOQ	30.000	Spiroxamine	50.000	<LOQ	30.000	Tebuconazole	50.000	<LOQ	30.000
Thiacloprid	50.000	<LOQ	30.000	Thiamethoxam	50.000	<LOQ	30.000	Trifloxystrobin	100.000	<LOQ	30.000

Xueli Gao
Xueli Gao, Ph.D., DABT
Lab Toxicologist

Aixia Sun
Aixia Sun, D.H.Sc., M.Sc., B.Sc., MT (AAB)
Principal Scientist

** Total CBD = CBD + (CBD-A * 0.877). Total THC = THCA-A * 0.877 + Delta 9 THC, ND = <LOQ, T-Caryophyllene = Trans-Caryophyllene, <LOQ = Less Than Limit of Quantitation, QNS = Quantity Not Sufficient. (%) = Percent, (ppm) = Parts per Million, (ppb) = Parts per Billion, (µg/Kg) = Microgram per Kilogram, (mg/g) = Milligram per Gram, ppm = (µg/g), ppb = (µg/kg).

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Initial Gross Weight: 42303.00(mg)
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Terpenes

								(GC/GCMS)			
Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)
3-Carene		ND	0.001	Alpha-Bisabolol	10.600	1.060	0.001	Alpha-Pinene	4.660	0.466	0.002
Alpha-Terpinene		ND	0.001	Alpha-Terpineol	2.720	0.272	0.001	Aromadendrene		ND	0.001
Beta-Myrcene	7.960	0.796	0.001	Beta-Pinene	3.810	0.381	0.001	Camphene	2.720	0.272	0.001
Fenchol	3.390	0.339	0.002	Gamma-Terpinene	1.550	0.155	0.001	Gamma-Terpineol		ND	0.002
Geraniol		ND	0.001	Guaiol		ND	0.001	Humulene	4.830	0.483	0.001
Isopulegol		ND	0.001	Linalool	10.160	1.016	0.001	Nerolidol-1	0.490	0.049	0.001
Nerolidol-2		ND	0.001	Ocimene-1		ND	0.001	Ocimene-2		ND	0.001
P-Cymene	2.240	0.224	0.001	R-Limonene	20.880	2.088	0.000	Terpinolene		ND	0.001
Trans-Caryophyllene	25.970	2.597	0.001								

Residual Solvents - FL (Passed)

								(GC/GCMS)			
Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)	Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)	Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)
1,1-Dichloroethene	8.000	<LOQ	0.132	1,2-dichloroethane	2.000	<LOQ	0.032	Acetone	750.000	<LOQ	12.000
Acetonitrile	60.000	<LOQ	0.960	Benzene	1.000	<LOQ	0.016	Butanes	2,000.000	<LOQ	13.320
Chloroform	2.000	<LOQ	0.032	Ethanol	5,000.000	<LOQ	16.000	Ethyl Acetate	400.000	<LOQ	6.400
Ethyl Ether	500.000	<LOQ	8.000	Ethylene Oxide	5.000	<LOQ	0.320	Heptane	500.000	<LOQ	8.000
Hexane	250.000	<LOQ	0.800	Isopropyl alcohol	500.000	<LOQ	8.000	Methanol	250.000	<LOQ	4.000
Methylene chloride	125.000	<LOQ	2.000	Pentane	750.000	<LOQ	12.000	Propane	2,100.000	<LOQ	26.668
Toluene	150.000	<LOQ	2.400	Total Xylenes	150.000	<LOQ	7.200	Trichloroethene	25.000	<LOQ	0.400

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Microbiology - Plating Method

(Petrifilm)

Analyte	Result (cfu/g)	LOQ (cfu/g)	Analyte	Result (cfu/g)	LOQ (cfu/g)	Analyte	Result (cfu/g)	LOQ (cfu/g)
Aerobic Bacteria	<10	10	E. Coli / Coliform	<10	10	Yeast/Mold	<10	10

Heavy Metals (Passed)

(ICP-MS)

Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)
Arsenic (As)	500.000	<LOQ	100.000	Cadmium (Cd)	500.000	<LOQ	100.000	Lead (Pb)	500.000	<LOQ	100.000
Mercury (Hg)	500.000	<LOQ	100.000								

Mycotoxins (Passed)

(LCMS/MS)

Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)
Aflatoxin B1		<LOQ	6.000	Aflatoxin B2		<LOQ	6.000	Aflatoxin G1		<LOQ	6.000
Aflatoxin G2		<LOQ	6.000	Aflatoxin Total	20.000	<LOQ	6.000	Ochratoxin A	20.000	<LOQ	12.000

Moisture

(Moisture Meter)

Analyte	Result (%)
Moisture	6.060

Water Activity

(AquaLab 4TE)

Analyte	Action Level (aw)	Result (aw)
Water Activity	0.850	0.196

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Lab Toxicologist

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