



CERTIFICATE OF ANALYSIS

Customer: Balanced Health Botanicals - Sheridan, CO 80110

Order #: 706829	Specimen Type: Extract	Initial Gross Weight: 11083.00(mg)
Batch #: 1719276V1	Description: TEC Vape GDP	Specimen Weight: 115.21(mg)
Order Date: 10/04/2019	Extracted From: Industrial Hemp	Density: 1.055321(g/ml)
Collection Date: 10/04/2019	Method: SOP-3	
Report Date: 10/14/2019		

Potency - 11 (HPLC)

Analyte	Result (mg/ml)	(%)	LOQ (%)	Analyte	Result (mg/ml)	(%)	LOQ (%)	Analyte	Result (mg/ml)	(%)	LOQ (%)
CBC		ND	0.001	CBD	352.372	33.390	0.001	CBDA		ND	0.001
CBDV	1.087	0.103	0.001	CBG		ND	0.001	CBGA		ND	0.001
CBN		ND	0.001	Delta-8-THC	0.548	0.052	0.001	Delta-9-THC		ND	0.001
THCA-A		ND	0.001	THCV	0.398	0.038	0.001	Total CBD	352.372	33.390	0.001
Total THC		ND	0.001								

Pesticides (Passed) (LCMS/MS)

Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)	Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)	Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)
Abamectin	0.500	<LOQ	0.100	Acephate	0.400	<LOQ	0.100	Acequinocyl	2.000	<LOQ	0.750
Acetamiprid	0.200	<LOQ	0.100	Aldicarb	0.400	<LOQ	0.100	Azoxystrobin	0.200	<LOQ	0.100
Bifenazate	0.200	<LOQ	0.100	Bifenthrin	0.200	<LOQ	0.100	Boscalid	0.400	<LOQ	0.100
Carbaryl	0.200	<LOQ	0.100	Carbofuran	0.200	<LOQ	0.100	Chlorantraniliprole	0.200	<LOQ	0.100
Chlorpyrifos	0.200	<LOQ	0.100	Clofentezine	0.200	<LOQ	0.100	Cypermethrin	1.000	<LOQ	0.100
Daminozide	1.000	<LOQ	0.100	Diazinon	0.200	<LOQ	0.100	Dichlorvos	0.100	<LOQ	0.100
Dimethoate	0.200	<LOQ	0.100	Ethoprophos	0.200	<LOQ	0.100	Etofenprox	0.400	<LOQ	0.100
Etoxazole	0.200	<LOQ	0.100	Fenoxycarb	0.200	<LOQ	0.100	Fipronil	0.400	<LOQ	0.100
Fonicamid	1.000	<LOQ	0.100	Fludioxonil	0.400	<LOQ	0.100	Hexythiazox	1.000	<LOQ	0.100
Imazalil	0.200	<LOQ	0.100	Imidacloprid	0.400	<LOQ	0.100	Kresoxim Methyl	0.400	<LOQ	0.100
Malathion A	0.200	<LOQ	0.100	Metalaxyl	0.200	<LOQ	0.100	Methiocarb	0.200	<LOQ	0.100
Methomyl	0.400	<LOQ	0.100	MGK-264	0.200	<LOQ	0.100	Myclobutanil	0.200	<LOQ	0.100
Naled	0.500	<LOQ	0.100	Oxamyl	1.000	<LOQ	0.100	Pacllobutrazol	0.400	<LOQ	0.100
Parathion-methyl	0.200	<LOQ	0.250	Permethrin	0.200	<LOQ	0.100	Phosmet	0.200	<LOQ	0.100
Piperonylbutoxide	2.000	<LOQ	0.100	Prallethrin	0.200	<LOQ	0.100	Propiconazole	0.400	<LOQ	0.100
Propoxur	0.200	<LOQ	0.100	Pyrethrins	1.000	<LOQ	0.100	Pvridaben	0.200	<LOQ	0.100
Spinosyn A	0.200	<LOQ	0.100	Spinosyn D	0.200	<LOQ	0.100	Spiromesifen	0.200	<LOQ	0.100
Spirotetramat	0.200	<LOQ	0.100	Spiroxamine	0.400	<LOQ	0.100	Tebuconazole	0.400	<LOQ	0.100
Thiacloprid	0.200	<LOQ	0.100	Thiamethoxam	0.200	<LOQ	0.100	Trifloxystrobin	0.200	<LOQ	0.100

Thomas Farrell, MD
Lab Director

* 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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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	12.410	1.241	0.001	Alpha-Pinene	4.720	0.472	0.002
Alpha-Terpinene		ND	0.001	Alpha-Terpineol	2.550	0.255	0.001	Aromadendrene		ND	0.001
Beta-Myrcene	7.460	0.746	0.001	Beta-Pinene	3.720	0.372	0.001	Camphene	2.800	0.280	0.001
Fenchol	2.420	0.242	0.002	Gamma-Terpinene	1.670	0.167	0.001	Gamma-Terpineol		ND	0.002
Geraniol		ND	0.001	Guaiol		ND	0.001	Humulene	4.550	0.455	0.001
Isopulegol		ND	0.001	Linalool	8.080	0.808	0.001	Nerolidol-1		ND	0.001
Nerolidol-2		ND	0.001	Ocimene-1		ND	0.001	Ocimene-2		ND	0.001
P-Cymene	1.900	0.190	0.001	R-Limonene	18.840	1.884	0.000	Terpinolene		ND	0.001
Trans-Caryophyllene	20.930	2.093	0.001								

Residual Solvents (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)
Acetone	5,000.000	<LOQ	87.900	Benzene	1,600	<LOQ	1,600	Chloroform	53,000	<LOQ	53,000
Ethanol	5,000.000	<LOQ	26,700	Hexane	60,000	<LOQ	36,600	i-Butane	5,000.000	<LOQ	100,000
Isopropanol	5,000.000	<LOQ	52,300	Methanol	3,000.000	<LOQ	87,900	n-Butane	5,000.000	<LOQ	200,000
Pentane	5,000.000	<LOQ	389,500	Toluene	890.000	<LOQ	38,400				

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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	6.000	Aflatoxin B2	<LOQ	6.000	6.000	Aflatoxin G1	<LOQ	6.000	6.000
Aflatoxin G2	<LOQ	6.000	6.000	Aflatoxin Total	20.000	<LOQ	6.000	Ochratoxin A	20.000	<LOQ	12.000

Pathogenic Microbiology (Passed) (Micro Array)

Analyte	Result	Analyte	Result	Analyte	Result
Aspergillus Flavus	Absence	Aspergillus Fumigatus	Absence	Aspergillus Niger	Absence
Aspergillus Terreus	Absence	Salmonella	Absence	STEC E. Coli	Absence

Water Activity (Passed) (AquaLab 4TE)

Analyte	Action Level (aw)	Result (aw)
Water Activity	0.850	0.308

Filth and Foreign Material (Passed) (Electronic Balance)

Analyte	Action Level (area ratio)	Result (area ratio)	Analyte	Action Level (mg/Kg)	Result (mg/Kg)	Analyte	Action Level (%)	Result (%)
Covered Area	0.250	0.000	Feces	0.500	0.000	Weight %	5.000	0.000

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