



# CERTIFICATE OF ANALYSIS



Customer: Balanced Health Botanicals - Sheridan, CO 80110

Order #: 708699  
Batch #: 1719304V2  
Order Date: 11/06/2019  
Collection Date: 11/06/2019  
Report Date: 11/12/2019

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

Initial Gross Weight: 42111.00(mg)  
Specimen Weight: 113.99(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	379.916	36.000	0.001	CBDA		ND	0.001
CBDV		ND	0.001	CBG	0.215	0.020	0.001	CBGA		ND	0.001
CBN		ND	0.001	Delta-8-THC		ND	0.001	Delta-9-THC	0.334	0.032	0.001
THCA-A		ND	0.001	THCV	0.378	0.036	0.001	Total CBD	379.916	36.000	0.001
Total THC	0.334	0.032	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
Paclbutrazol	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	Pyrindaben	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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Order Date: 11/06/2019  
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Specimen Type: Extract  
Description: TEC Vape Strawberry Lemonade  
Extracted From: Industrial Hemp  
Method: SOP-3

Initial Gross Weight: 42111.00(mg)  
Specimen Weight: 113.99(mg)  
Density: 1.055321(g/ml)

## Terpenes

								(GC/GCMS)			
Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)
3-Carene	0.510	0.051	0.001	Alpha-Bisabolol	0.330	0.033	0.001	Alpha-Pinene	1.420	0.142	0.002
Alpha-Terpinene	0.030	0.003	0.001	Alpha-Terpineol	0.260	0.026	0.001	Aromadendrene	ND	ND	0.001
Beta-Myrcene	11.040	1.104	0.001	Beta-Pinene	4.500	0.450	0.001	Camphene	0.390	0.039	0.001
Fenchol	0.380	0.038	0.002	Gamma-Terpinene	ND	ND	0.001	Gamma-Terpineol	0.020	0.002	0.002
Geraniol	ND	ND	0.001	Guaiol	ND	ND	0.001	Humulene	0.050	0.005	0.001
Isopulegol	ND	ND	0.001	Linalool	0.930	0.093	0.001	Nerolidol-1	ND	ND	0.001
Nerolidol-2	ND	ND	0.001	Ocimene-1	ND	ND	0.001	Ocimene-2	ND	ND	0.001
P-Cymene	ND	ND	0.001	R-Limonene	14.560	1.456	0.000	Terpinolene	0.450	0.045	0.001
Trans-Caryophyllene	1.220	0.122	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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<b>Batch #:</b> 1719304V2	<b>Description:</b> TEC Vape Strawberry Lemonade	<b>Specimen Weight:</b> 113.99(mg)
<b>Order Date:</b> 11/06/2019	<b>Extracted From:</b> Industrial Hemp	<b>Density:</b> 1.055321(g/ml)
<b>Collection Date:</b> 11/06/2019	<b>Method:</b> SOP-3	
<b>Report Date:</b> 11/12/2019		

## 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	7.030

## Water Activity

(AquaLab 4TE)

Analyte	Action Level (aw)	Result (aw)
Water Activity	0.850	0.188

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