

Sample Name: ECO Therapy Revive Vape Pen

LIMS Sample ID: 190916Q005

Batch #:

Source Metric ID(s):

Sample Type: Other

Batch Count:

Sample Count:

Unit Volume: 1 Milliliters per Unit

Serving Mass:

Density: 0.9001 g/mL

Date Collected: 09/16/2019

Date Received: 09/16/2019

Tested for: ECO Therapy

License #:

Address:

Produced by:

License #:

Address:

**Overall result for batch: Pass**

## Moisture Test Results

Results (%)

Moisture

ND

## Cannabinoid Test Results

09/19/2019

Cannabinoid analysis utilizing High Performance Liquid Chromatography (HPLC, QSP 5-4-4-4)

	mg/mL	%	LOD / LOQ mg/mL
Δ9THC	ND	ND	0.0009 / 0.003
Δ8THC	ND	ND	0.0009 / 0.003
THCa	ND	ND	0.0009 / 0.003
THCV	ND	ND	0.0004 / 0.001
THCVa	ND	ND	0.0013 / 0.004
CBD	408.606	45.3956	0.0009 / 0.003
CBDa	ND	ND	0.0009 / 0.003
CBDV	3.681	0.4090	0.0004 / 0.001
CBDVa	ND	ND	0.0003 / 0.001
CBG	13.267	1.4739	0.001 / 0.003
CBGa	ND	ND	0.0008 / 0.002
CBL	ND	ND	0.0021 / 0.006
CBN	ND	ND	0.0009 / 0.003
CBC	0.858	0.0953	0.0011 / 0.003
CBCa	ND	ND	0.0015 / 0.005

**Sum of Cannabinoids: 426.412 47.3738 426.412 mg/Unit**

Total THC (Δ9THC+0.877\*THCa) ND ND

Total CBD (CBD+0.877\*CBDa) 408.606 45.3956 408.606 mg/Unit

Action Limit mg

Δ9THC per Unit  
Δ9THC per Serving

ND

## Batch Photo



## Terpene Test Results

09/18/2019

Terpene analysis utilizing Gas Chromatography - Flame Ionization Detection (GC - FID)

	mg/g	%	LOD / LOQ mg/g
☑ Pinene	0.651	0.0651	0.022 / 0.067
Camphene	0.47	0.047	0.027 / 0.08
Sabinene	0.135	0.0135	0.027 / 0.082
☑ Pinene	0.151	0.0151	0.027 / 0.081
Myrcene	2.663	0.2663	0.027 / 0.082
☑ Phellandrene	ND	ND	0.037 / 0.111
3 Carene	ND	ND	0.029 / 0.087
☑ Terpinene	ND	ND	0.03 / 0.09
Limonene	63.530	6.3530	0.013 / 0.039
Eucalyptol	0.772	0.0772	0.021 / 0.063
OCimene	ND	ND	0.028 / 0.085
☑ Terpinene	ND	ND	0.03 / 0.09
Sabinene Hydrate	ND	ND	0.018 / 0.054
Fenchone	ND	ND	0.03 / 0.092
Terpinolene	ND	ND	0.022 / 0.067
Linalool	ND	ND	0.019 / 0.058
Fenchol	ND	ND	0.023 / 0.069
(-)-Isopulegol	ND	ND	0.013 / 0.04
Camphor	1.634	0.1634	0.054 / 0.163
Isoborneol	ND	ND	0.033 / 0.101
Borneol	0.242	0.0242	0.048 / 0.146
Menthol	ND	ND	0.022 / 0.067
Terpineol	ND	ND	0.022 / 0.068
Nerol	ND	ND	0.023 / 0.068
R-(+)-Pulegone	ND	ND	0.022 / 0.068
Geraniol	ND	ND	0.017 / 0.05
Geranyl Acetate	ND	ND	0.016 / 0.048
☑ Cedrene	ND	ND	0.017 / 0.051
☑ Caryophyllene	0.383	0.0383	0.018 / 0.054
☑ Humulene	0.356	0.0356	0.013 / 0.038
Valencene	ND	ND	0.008 / 0.023
Nerolidol	ND	ND	0.035 / 0.106
Caryophyllene Oxide	ND	ND	0.028 / 0.084
Guaiol	ND	ND	0.022 / 0.066
Cedrol	ND	ND	0.029 / 0.086
☑ Bisabolol	ND	ND	0.017 / 0.051

**Total Terpene Concentration: 70.987 7.0987**

## Sample Certification

California Code of Regulations Title 16 Effect Date January 16, 2019  
 Authority: Section 26013, Business and Professions Code.  
 Reference: Sections 26100, 26104 and 26110, Business and Professions Code.



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Anna Brown, LQC Verified By  
 Date: 12/21/2019

Josh Wurzer, President  
 Date: 12/21/2019

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Sample Name: ECO Therapy Revive Vape Pen

LIMS Sample ID: 190916Q005

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**Overall result for batch: Pass**

## Pesticide Test Results

Pesticide, Fungicide and plant growth regulator analysis utilizing HPLC-Mass Spectrometry and GC-Mass Spectrometry

	Results (µg/g)	Action Limit µg/g	LOD / LOQ µg/g
Abamectin	NT		
Acephate	NT		
Acequinocyl	NT		
Acetamiprid	NT		
Azoxystrobin	NT		
Bifenazate	NT		
Bifenthrin	NT		
Boscalid	NT		
Captan	NT		
Carbaryl	NT		
Chlorantraniliprole	NT		
Clofentezine	NT		
Cyfluthrin	NT		
Cypermethrin	NT		
Diazinon	NT		
Dimethomorph	NT		
Etoxazole	NT		
Fenhexamid	NT		
Fenpyroximate	NT		
Fonicamid	NT		
Fludioxonil	NT		
Hexythiazox	NT		
Imidacloprid	NT		
Kresoxim-methyl	NT		
Malathion	NT		
Metalaxyl	NT		
Methomyl	NT		
Myclobutanil	NT		
Naled	NT		
Oxamyl	NT		
Pentachloronitrobenzene	NT		
Permethrin	NT		
Phosmet	NT		
Piperonylbutoxide	NT		
Prallethrin	NT		
Propiconazole	NT		
Pyrethrins	NT		
Pyridaben	NT		
Spinetoram	NT		
Spinosad	NT		
Spiromesifen	NT		
Spirotetramat	NT		
Tebuconazole	NT		
Thiamethoxam	NT		
Trifloxystrobin	NT		

## Pesticide Test Results

Pesticide, Fungicide and plant growth regulator analysis utilizing HPLC-Mass Spectrometry and GC-Mass Spectrometry

	Results (µg/g)	Action Limit µg/g	LOD / LOQ µg/g
Aldicarb	NT		
Carbofuran	NT		
Chlordane	NT		
Chlorfenapyr	NT		
Chlorpyrifos	NT		
Coumaphos	NT		
Daminozide	NT		
DDVP (Dichlorvos)	NT		
Dimethoate	NT		
Ethoprop(hos)	NT		
Etofenprox	NT		
Fenoxycarb	NT		
Fipronil	NT		
Imazalil	NT		
Methiocarb	NT		
Methyl parathion	NT		
Mevinphos	NT		
Padlobutrazol	NT		
Propoxur	NT		
Spiroxamine	NT		
Thiacloprid	NT		

## Mycotoxin Test Results

Mycotoxin analysis utilizing HPLC-Mass Spectrometry

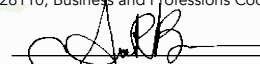
	Results (µg/kg)	Action Limit µg/kg	LOD / LOQ µg/kg
Aflatoxin B1, B2, G1, G2	NT		
Ochratoxin A	NT		


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 Josh Wurzer, President  
 Date: 12/21/2019

# Certificate of Analysis

\*Amendment to CoA 190916Q005-003

Sample Name: ECO Therapy Revive Vape Pen

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Tested for: ECO Therapy

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Address:

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License #:

Address:

**Overall result for batch: Pass**

## Residual Solvent Test Results

Residual Solvent analysis utilizing Gas Chromatography - Mass Spectrometry (GC - MS)

	Results (µg/g)	Action Limit µg/g	LOD / LOQ µg/g
1,2-Dichloroethane	NT		
Benzene	NT		
Chloroform	NT		
Ethylene Oxide	NT		
Methylene chloride	NT		
Trichloroethylene	NT		
Acetone	NT		
Acetonitrile	NT		
Butane	NT		
Ethanol	NT		
Ethyl acetate	NT		
Ethyl ether	NT		
Heptane	NT		
Hexane	NT		
Isopropyl Alcohol	NT		
Methanol	NT		
Pentane	NT		
Propane	NT		
Toluene	NT		
Total Xylenes	NT		

## Microbiological Test Results

PCR and fluorescence detection of microbiological impurities

	Results	Action Limit
Shiga toxin-producing Escherichia coli	NT	
Salmonella spp.	NT	
Aspergillus fumigatus	NT	
Aspergillus flavus	NT	
Aspergillus niger	NT	
Aspergillus terreus	NT	

3M Petrifilm and plate counts for microbiological contamination

	Results (cfu/g)
Aerobic Plate Count	NT
Total Yeast and Mold	NT

## Foreign Material Test Results

NT

## Water Activity Test Results

Water Activity	Results (Aw)	Action Limit Aw
	NT	

## Heavy Metal Test Results

Heavy metal analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS)

	Results (µg/g)	Action Limit µg/g	LOD / LOQ µg/g
Cadmium	NT		
Lead	NT		
Arsenic	NT		
Mercury	NT		

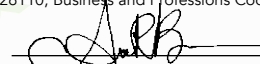
## Note


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