

Sample Name: ColoradoCBD-042618-001

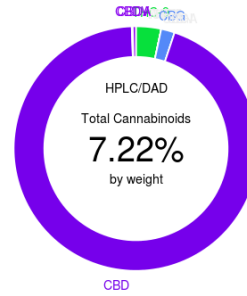
Client: papaandbarkley
 Sample Type: Infusedoil
 Strain: Unknown

Submitted: April 27, 2018
 Tested: April 27, 2018
 Expires: April 24, 2019
 Submitted for: HPLC, Chemres, Micro,

Profiling by Liquid Chromatography - Pass

(SOP-014) | Date Performed: 2018-04-30

Cannabinoid	Percent	mg/g	LOQ	LOD	L.C. ¹	Status
d9-THC	0.24	2.40	0.05	0.02	-	Pass
d8-THC	ND ¹	ND ¹	0.05	0.02	-	Pass
THCA	ND ¹	ND ¹	0.05	0.02	-	Pass
THCV	ND ¹	ND ¹	0.05	0.02	-	Pass
CBG	0.13	1.30	0.05	0.02	-	Pass
CBGA	ND ¹	ND ¹	0.05	0.02	-	Pass
CBN	ND ¹	ND ¹	0.05	0.02	-	Pass
CBD	6.81	68.10	0.05	0.02	-	Pass
CBDV	0.01	0.10	0.05	0.02	-	Pass
CBDA	0.03	0.30	0.05	0.02	-	Pass
Total	7.22	72.32	NA	NA	-	Pass



HPLC/DAD results are not moisture normalized.

-100% Decarboxylated THC

¹L.C. = Label Claim in percentage units

Microbiological Screening - Pass

Petrifilm screening for microbiological contamination. [SOP-009] | Date Performed: 2018-04-27

	Analysis	Limit of Detection	Action Limits	Status
Shiga-Toxin E. Coli	ND	< 1 cfu/g	1 cfu/g	Pass
Salmonella	ND	< 1 cfu/g	1 cfu/g	Pass

*TNTC = Too Numerous To Count

¹ND = Not Detected

Residual Solvent Analysis -

Analysis of residual solvents. [SOP-011] | Date Performed:

Solvent	ug/g	Action Limit	LOQ	LOD	Status
Benzene	NT				
Chloroform	NT				
1,2-Dichloroethane	NT				
Ethylene Oxide	NT				
Methylene Chloride	NT				
Trichloroethylene	NT				
Acetone	NT				
Acetonitrile	NT				
Ethanol	NT				
Ethyl Acetate	NT				
Heptane	NT				
Hexane	NT				
Isopropanol	NT				
Methanol	NT				
N-Butane	NT				
Pentane	NT				
Propane	NT				
Toluene	NT				
Total Xylenes	NT				

¹ND = Not Detected

**Client Limit is self-selected and will be replaced by official CA State limits when they become available



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Chemical Residue Screening - Pass

Targeted analysis of chemical residues. [SOP-017] | Date Performed: 2018-04-27

	ug/g	LOQ	LOD	Action Limit	Status		ug/g	LOQ	LOD	Action Limit	Status
Abamectin	ND ¹	0.02	0.01	0.30	Pass	Fludioxonil	ND ¹	0.01	0.01	30.00	Pass
Acephate	ND ¹	0.12	0.04	5.00	Pass	Hexythiazox	ND ¹	0.02	0.01	2.00	Pass
Acequinocyl	ND ¹	0.01	0.01	4.00	Pass	Imazalil	ND ¹	0.00	0.00	0.00	Pass
Acetamiprid	ND ¹	0.01	0.01	5.00	Pass	Imidacloprid	ND ¹	0.01	0.01	3.00	Pass
Aldicarb	ND ¹	0.02	0.01	0.00	Pass	Kresoxim-methyl	ND ¹	0.01	0.01	1.00	Pass
Azoxystrobin	ND ¹	0.01	0.01	40.00	Pass	Metalaxyl	ND ¹	0.00	0.00	15.00	Pass
Bifenazate	ND ¹	0.01	0.01	5.00	Pass	Methiocarb	ND ¹	0.01	0.01	0.00	Pass
Bifenthrin	ND ¹	0.07	0.02	0.50	Pass	Methomyl	ND ¹	0.01	0.01	0.10	Pass
Boscalid	ND ¹	0.01	0.01	10.00	Pass	Mevinphos	ND ¹	0.01	0.01	0.00	Pass
Captan	ND ¹	0.03	0.01	5.00	Pass	Myclobutanil	ND ¹	0.01	0.01	9.00	Pass
Carbaryl	ND ¹	0.01	0.01	0.50	Pass	Naled	ND ¹	0.02	0.01	0.50	Pass
Carbofuran	ND ¹	0.01	0.01	0.00	Pass	Oxamyl	ND ¹	0.02	0.01	0.20	Pass
Chlorantraniliprole	ND ¹	0.02	0.01	40.00	Pass	Paclbutrazol	ND ¹	0.01	0.01	0.00	Pass
Chlordane	ND ¹	0.05	0.02	0.00	Pass	Parathion methyl	ND ¹	0.06	0.02	0.00	Pass
Chlorfenapyr	ND ¹	0.02	0.01	0.00	Pass	PCNB	ND ¹	0.02	0.01	0.20	Pass
Chlorpyrifos	ND ¹	0.05	0.02	0.00	Pass	Permethrin	ND ¹	0.02	0.01	20.00	Pass
Clofentezine	ND ¹	0.02	0.01	0.50	Pass	Phosmet	ND ¹	0.01	0.01	0.20	Pass
Coumaphos	ND ¹	0.02	0.01	0.00	Pass	Piperonyl butoxide	ND ¹	0.01	0.01	8.00	Pass
Cyfluthrin	ND ¹	0.05	0.02	1.00	Pass	Prallethrin	ND ¹	0.03	0.01	0.40	Pass
Cypermethrin	ND ¹	0.04	0.01	1.00	Pass	Propiconazole	ND ¹	0.01	0.01	20.00	Pass
Daminozide	ND ¹	0.02	0.01	0.00	Pass	Propxure	ND ¹	0.01	0.01	0.00	Pass
Diazinon	ND ¹	0.01	0.01	0.20	Pass	Pyrethrin	ND ¹	0.04	0.01	1.00	Pass
Dichlorvos	ND ¹	0.01	0.01	0.00	Pass	Pyridaben	ND ¹	0.00	0.00	3.00	Pass
Dimethoate	ND ¹	0.02	0.01	0.00	Pass	Spinetoram	ND ¹	0.01	0.01	3.00	Pass
Dimethomorph	ND ¹	0.01	0.01	20.00	Pass	Spinosad	ND ¹	0.01	0.01	3.00	Pass
Ethoprophos	ND ¹	0.02	0.01	0.00	Pass	Spiromesifen	ND ¹	0.03	0.01	12.00	Pass
Etofenprox	ND ¹	0.01	0.01	0.00	Pass	Spirotetramat	ND ¹	0.01	0.01	13.00	Pass
Etoxazole	ND ¹	0.01	0.01	1.50	Pass	Spiroxamine	ND ¹	0.01	0.01	0.00	Pass
Fenhexamid	ND ¹	0.01	0.01	10.00	Pass	Tebuconazole	ND ¹	0.03	0.01	2.00	Pass
Fenoxycarb	ND ¹	0.01	0.01	0.00	Pass	Thiacloprid	ND ¹	0.01	0.01	0.00	Pass
Fenpyroximate	ND ¹	0.01	0.01	2.00	Pass	Thiamethoxam	ND ¹	0.01	0.01	4.50	Pass
Fipronil	ND ¹	0.02	0.01	0.00	Pass	Trifloxystrobin	ND ¹	0.01	0.01	30.00	Pass
Flonicamid	ND ¹	0.02	0.01	0.20	Pass						

¹ND = Not Detected
 NT = Not Tested

Terpene Profiling -

Analysis of terpenes. [SOP-012] | Date Performed:

PPM	mg/g	LOQ	LOD	L.C. ²	Status		PPM	mg/g	LOQ	LOD	L.C. ²	Status
b-Myrcene	NT					Camphor	NT					
Nerol	NT					Borneol	NT					
Nerolidol	NT					Pulegone	NT					
Ocimene	NT					Cedrol	NT					
a-Bisbolol	NT					b-Caryophyllene	NT					
Farnasene	NT					Elemene	NT					
Valencene	NT					Phellandrene	NT					
d3-Carene	NT					Isopulegol	NT					
d-Limonene	NT					Linalool	NT					
g-Terpinene	NT					(+)-Fenchone	NT					
a-Pinene	NT					a-Caryophyllene	NT					
Sabinene	NT					Guaiol	NT					
b-Pinene	NT					Bergamotene	NT					
Camphene	NT					Terpineol	NT					
Eucalyptol	NT					Terpinolene	NT					
(-)-Fenchone	NT					a-Terpinene	NT					
Fenchol	NT											

Total Terpenes 0.0 PPM

¹ND = Not Detected
²L.C. = Label Claim



This sample was tested by CW Analytical Laboratories. Results are valid through the expiration date indicated.

Robert W Martin, PhD
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