

Sample Name: CSC-DOGCHEW-011619

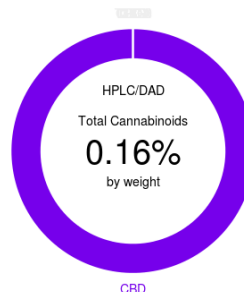
Client: treatables
 Sample Type: Edible
 Strain: Unknown
 Product Weight: 22.45 g
 Servings: 10

Submitted: April 24, 2019
 Tested: April 24, 2019
 Expires: April 24, 2020
 Submitted for: HPLC, Micro, Terpenes, Residual Solvent,

Profiling by Liquid Chromatography - Pass

(SOP-014) | Date Performed: 2019-04-24

Cannabinoid	Percent	mg/g	Total mg	mg/svg	LOQ (mg/g)	LOD (mg/g)	L.C. ¹	Status
d9-THC	ND ¹	ND ¹	0.00	0.00	0.05	0.02	-	Pass
d8-THC	ND ¹	ND ¹	0.00	0.00	0.05	0.02	-	Pass
THCA	ND ¹	ND ¹	0.00	0.00	0.05	0.02	-	Pass
THCV	ND ¹	ND ¹	0.00	0.00	0.05	0.02	-	Pass
CBG	ND ¹	ND ¹	0.00	0.00	0.05	0.02	-	Pass
CBGA	ND ¹	ND ¹	0.00	0.00	0.05	0.02	-	Pass
CBN	ND ¹	ND ¹	0.00	0.00	0.05	0.02	-	Pass
CBD	0.16	1.57	35.28	3.53	0.05	0.02	-	Pass
CBDV	ND ¹	ND ¹	0.00	0.00	0.05	0.02	-	Pass
CBDA	ND ¹	ND ¹	0.00	0.00	0.05	0.02	-	Pass
Total	0.16	1.57	35.28	NA	NA	NA	-	Pass
Total THC	ND¹	ND¹	ND¹	-	-	-	-	Pass
Total CBD	0.16	1.57	35.28	3.53	-	-	-	Pass



HPLC/DAD results are not moisture normalized.

¹0% Decarboxylated THC

¹L.C. = Label Claim in mg/g

Total THC = ((THCA*0.877)+ d9-THC)

Total CBD = ((CBDA*0.877)+ CBD)

Microbiological Screening - Pass

Petrifilm screening for microbiological contamination. [SOP-009] | Date Performed: 2019-04-24

	Analysis	Limit of Detection	Action Limits	Status
Pseudomonas	ND	< 1 cfu/g	0 cfu/g	Pass
APC	52,000	< 1 cfu/g	100000 cfu/g	Pass
E. Coli	ND	< 1 cfu/g	100 cfu/g	Pass
Coliform	ND	< 1 cfu/g	100 cfu/g	Pass
Yeast & Mold	ND	< 1 cfu/g	10000 cfu/g	Pass

*TNTC = Too Numerous To Count

¹ND = Not Detected

Residual Solvent Analysis - Pass

Analysis of residual solvents. [SOP-011] | Date Performed: 2019-04-24

Solvent	ug/g	Action Limit	LOQ (ug/g)	LOD (ug/g)	Status
Benzene	ND ¹	1.0	1.00	0.33	Pass
Chloroform	ND ¹	1.0	1.00	0.33	Pass
1-2-Dichloroethane	ND ¹	1.0	1.00	0.33	Pass
Ethylene Oxide	ND ¹	1.0	1.00	0.33	Pass
Methylene Chloride	ND ¹	1.0	1.00	0.33	Pass
Trichloroethylene	ND ¹	1.0	1.00	0.33	Pass
Acetone	<LOQ	5000	150.00	10.00	Pass
Acetonitrile	ND ¹	410	6.00	2.30	Pass
Ethanol	<LOQ	5000	250.00	2.00	Pass
Ethyl Acetate	<LOQ	5000	250.00	2.00	Pass
Diethyl ether	ND ¹	5000	250.00	2.00	Pass
Heptane	ND ¹	5000	250.00	2.00	Pass
Hexane	ND ¹	290	6.00	2.00	Pass
Isopropanol	<LOQ	5000	50.00	10.00	Pass
Methanol	<LOQ	3000	50.00	10.00	Pass
N-Butane	ND ¹	5000	50.00	6.50	Pass
Pentane	<LOQ	5000	50.00	1.00	Pass
Propane	<LOQ	5000	200.00	10.00	Pass
Toluene	ND ¹	890	3.00	1.00	Pass
Total Xylenes	ND ¹	2170	3.00	1.00	Pass

¹ND = Not Detected

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

Foreign Material Analysis -

Analysis to determine whether foreign material is present | Date Performed:

Analysis **Status**

CW uses its best efforts to deliver high-quality results and to verify that the data contained therein are based on sound scientific judgment. However, CW makes no warranties or claims to that effect and further shall not be liable for any damage or misrepresentation that may result from the use or misuse of these data in any way. Further, CW makes no claims regarding the representativeness of the analyzed sample to the larger batch from which it was taken. The limit of liability accepted by CW Analytical is limited to the total amount invoiced for services provided. As part of our strict confidentiality policy, CW can only discuss results with the original client of record. Comments? lab@cwanalytical.com



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

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Chemical Residue Screening -

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

	ug/g	LOQ (ug/g)	LOD (ug/g)	Action Limit	Status		ug/g	LOQ (ug/g)	LOD (ug/g)	Action Limit	Status
Abamectin	NT					Fludioxonil	NT				
Acephate	NT					Hexythiazox	NT				
Acequinocyl	NT					Imazalil	NT				
Acetamiprid	NT					Imidacloprid	NT				
Aldicarb	NT					Kresoxim-methyl	NT				
Azoxystrobin	NT					Malathion	NT				
Bifenazate	NT					Metalaxyl	NT				
Bifenthrin	NT					Methiocarb	NT				
Boscalid	NT					Methomyl	NT				
Captan	NT					Mevinphos	NT				
Carbaryl	NT					Myclobutanil	NT				
Carbofuran	NT					Naled	NT				
Chlorantraniliprole	NT					Oxamyl	NT				
Chlordane	NT					Paclobutrazol	NT				
Chlorfenapyr	NT					Parathion methyl	NT				
Chlorpyrifos	NT					PCNB	NT				
Clofentezine	NT					Permethrin	NT				
Coumaphos	NT					Phosmet	NT				
Cyfluthrin	NT					Piperonyl butoxide	NT				
Cypermethrin	NT					Prallethrin	NT				
Daminozide	NT					Propiconazole	NT				
Diazinon	NT					Propoxure	NT				
Dichlorvos	NT					Pyrethrin	NT				
Dimethoate	NT					Pyridaben	NT				
Dimethomorph	NT					Spinetoram	NT				
Ethoprophos	NT					Spinosad	NT				
Etofenprox	NT					Spiromesifen	NT				
Etoxazole	NT					Spirotetramat	NT				
Fenhexamid	NT					Spiroxamine	NT				
Fenoxycarb	NT					Tebuconazole	NT				
Fenpyroximate	NT					Thiacloprid	NT				
Fipronil	NT					Thiamethoxam	NT				
Flonicamid	NT					Trifloxystrobin	NT				

*ND = Not Detected
 NT = Not Tested

Heavy Metals Profiling - Pass

Analysis of Heavy Metals. [SOP-012] | Date Performed: 2019-04-26

	ug/g	LOQ(ug/g)	LOD(ug/g)	Action Limit	Status
Cadmium	<LOQ	0.03	0.01	0.5	Pass
Lead	<LOQ	0.12	0.04	0.5	Pass
Arsenic	<LOQ	0.06	0.02	1.5	Pass
Mercury	ND ¹	0.03	0.01	3.0	Pass

¹ND = Not Detected

Water Activity -

Analysis to determine water activity | Date Performed:

Aw	Action Limit (Aw)	Status

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Mycotoxin Screening - Pass

Analysis of Mycotoxins. | Date Performed:

	ug/kg	LOQ (mg/g)	LOD (mg/g)	Status
Aflatoxin B1	ND ¹	2.1	0.7	Pass
aflatoxin B2	ND ¹	2.1	0.7	Pass
Aflatoxin G1	ND ¹	2.1	0.7	Pass
Aflatoxin G2	ND ¹	2.1	0.7	Pass
Ochratoxin A	ND ¹	3.0	1.0	Pass

¹ND = Not Detected**Terpene Profiling - Pass**

Analysis of terpenes. [SOP-012] | Date Performed: 2019-04-28

	Percent	mg/g	LOQ (mg/g)	LOD (mg/g)	L.C. ²	Status
a-Pinene	ND ¹	0.00	0.1	0.03	-	Pass
Camphene	ND ¹	0.00	0.1	0.03	-	Pass
b-Myrcene	ND ¹	0.00	0.1	0.03	-	Pass
b-Pinene	ND ¹	0.00	0.1	0.03	-	Pass
d3-Carene	ND ¹	0.00	0.1	0.03	-	Pass
a-Terpinene	ND ¹	0.00	0.1	0.03	-	Pass
a-Ocimene	ND ¹	0.00	0.1	0.03	-	Pass
d-Limonene	ND ¹	0.00	0.1	0.03	-	Pass
p-Cymene	ND ¹	0.00	0.1	0.03	-	Pass
b-Ocimene	ND ¹	0.00	0.1	0.03	-	Pass
g-Terpinene	ND ¹	0.00	0.1	0.03	-	Pass
Terpinolene	ND ¹	0.00	0.1	0.03	-	Pass
Linalool	ND ¹	0.00	0.1	0.03	-	Pass
Isopulegol	ND ¹	0.00	0.1	0.03	-	Pass
Geraniol	0.04	0.43	0.1	0.03	-	Pass
b-Caryophyllene	ND ¹	0.00	0.1	0.03	-	Pass
a-Caryophyllene	ND ¹	0.00	0.1	0.03	-	Pass
cis-Nerolidol	ND ¹	0.00	0.1	0.03	-	Pass
trans-Nerolidol	ND ¹	0.00	0.1	0.03	-	Pass
guaialol	ND ¹	0.00	0.1	0.03	-	Pass
a-Bisabolol	NT ³	0.00	0.1	0.03	-	Pass

Total Terpenes**0.0 Percent**¹ND = Not Detected²L.C. = Label Claim³NT = Not Tested