

**Sample Name: BODY pain Relief Cream**

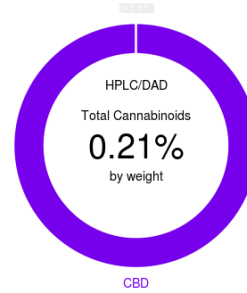
Client: betruwellness  
 Sample Type: Topical  
 Strain: Unknown

Submitted: February 01, 2019  
 Tested: February 01, 2019  
 Expires: January 31, 2020  
 Submitted for: HPLC, Micro,

**Profiling by Liquid Chromatography - Pass**

(SOP-014) | Date Performed: 2019-02-07

Cannabinoid	Percent	mg/g	Total mg	LOQ (mg/g)	LOD (mg/g)	L.C. <sup>1</sup>	Status
d9-THC	ND <sup>1</sup>	ND <sup>1</sup>	0.00	0.05	0.02	-	Pass
d8-THC	ND <sup>1</sup>	ND <sup>1</sup>	0.00	0.05	0.02	-	Pass
THCA	ND <sup>1</sup>	ND <sup>1</sup>	0.00	0.05	0.02	-	Pass
THCV	ND <sup>1</sup>	ND <sup>1</sup>	0.00	0.05	0.02	-	Pass
CBG	ND <sup>1</sup>	ND <sup>1</sup>	0.00	0.05	0.02	-	Pass
CBGA	ND <sup>1</sup>	ND <sup>1</sup>	0.00	0.05	0.02	-	Pass
CBN	ND <sup>1</sup>	ND <sup>1</sup>	0.00	0.05	0.02	-	Pass
CBD	0.21	2.12	2.12	0.05	0.02	-	Pass
CBDV	ND <sup>1</sup>	ND <sup>1</sup>	0.00	0.05	0.02	-	Pass
CBDA	ND <sup>1</sup>	ND <sup>1</sup>	0.00	0.05	0.02	-	Pass
<b>Total</b>	0.21	2.12	2.12	NA	NA	-	Pass
<b>Total THC</b>	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>	-	-	-	Pass
<b>Total CBD</b>	0.21	2.12	2.12	-	-	-	Pass



HPLC/DAD results are not moisture normalized.  
 -0% Decarboxylated THC  
<sup>1</sup>L.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: 2019-02-01

	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
Pseudomonas	ND	< 1 cfu/g	1 cfu/g	Pass
APC	ND	< 1 cfu/g	100000 cfu/g	Pass
E. Coli	ND	< 1 cfu/g	10 cfu/g	Pass
Coliform	ND	< 1 cfu/g	500 cfu/g	Pass
Yeast & Mold	ND	< 1 cfu/g	10000 cfu/g	Pass

\*TNTC = Too Numerous To Count

<sup>1</sup>ND = Not Detected

**Residual Solvent Analysis -**

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

Solvent	ug/g	Action Limit	LOQ (ug/g)	LOD (ug/g)	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				
Diethyl ether	NT				
Heptane	NT				
Hexane	NT				
Isopropanol	NT				
Methanol	NT				
N-Butane	NT				
Pentane	NT				
Propane	NT				
Toluene	NT				
Total Xylenes	NT				

<sup>1</sup>ND = 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
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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.

*Robert W Martin*  
 Robert W Martin, PhD

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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: 2019-02-07

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

<sup>1</sup>ND = Not Detected

**Water Activity -**

Analysis to determine water activity | Date Performed:

Aw	Action Limit (Aw)	Status

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**Mycotoxin Screening -**

Analysis of Mycotoxins. | Date Performed:

		LOQ (mg/g)	LOD (mg/g)	Status
Aflatoxin B1	NT			
aflatoxin B2	NT			
Aflatoxin G1	NT			
Aflatoxin G2	NT			
Ochratoxin A	NT			

<sup>1</sup>ND = Not Detected**Terpene Profiling -**

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

	PPM	mg/g	LOQ (mg/g)	LOD (mg/g)	L.C. <sup>2</sup>	Status
b-Myrcene	NT					
a-Bisabolol	NT					
d3-Carene	NT					
d-Limonene	NT					
g-Terpinene	NT					
a-Pinene	NT					
b-Pinene	NT					
Camphene	NT					
b-Caryophyllene	NT					
Isopulegol	NT					
Linalool	NT					
a-Caryophyllene	NT					
guaiol	NT					
Terpinolene	NT					
a-Terpinene	NT					

**Total Terpenes**

0.0 PPM

<sup>1</sup>ND = Not Detected<sup>2</sup>L.C. = Label Claim

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