

REGULATORY COMPLIANCE TESTING
COMPLIANCE CERTIFICATE OF ANALYSIS

Sample ID: CW38430S02

Batch ID: MFD19-0016
Batch Des.: Made From Dirt - Peppermint
Pain Salve 1:1
Client Username: soldistro
CW Collection ID: CWC66210028B02
Primary Sample Size: 5.0 units
Date Sampled: 2019-10-09
Date Received: 2019-10-09
Date Expires: 2020-10-09
Total Batch Weight/Count: 500 units
Product Weight(s): 55.84g
Date Reviewed: October 15, 2019
Sample Type: Lotions (Non Inhalable)

Distributor Name: Capital Cocoa, Inc.
Distributor Address: 8135 Capwell Dr. Oakland CA 94621
Distributor License No. C11-0001013-LIC
Manufacturer Name: Fluid South Inc.
Manufacturer Address: 3560 Cadillac Ave. Costa Mesa, CA 92626
Manufacturer License No. CDPH-10003729
CW ANALYTICAL LABORATORIES | 510.545.6984 | 851 81st Avenue, Suite D, Oakland, CA 94621 | License No. C8-0000077-LIC

Overall Batch Status - Pass

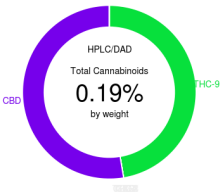


Profiling by Liquid Chromatography - Pass

(SOP-014) | Date Performed: 2019-10-10

Cannabinoid	Percent	mg/g	Total mg ^A	LOQ (mg/g)	LOD (mg/g)	L.C. ^{A1}	Status
d9-THC	0.09	0.91	50.90	0.05	0.02	-	Pass
d8-THC	ND ¹	ND ¹	ND ¹	0.05	0.02	-	Pass
THCA	ND ¹	ND ¹	ND ¹	0.05	0.02	-	Pass
THCV	ND ¹	ND ¹	ND ¹	0.05	0.02	-	Pass
THCVA	ND ¹	ND ¹	ND ¹	0.05	0.02	-	Pass
CBG	ND ¹	ND ¹	ND ¹	0.05	0.02	-	Pass
CBGA	ND ¹	ND ¹	ND ¹	0.05	0.02	-	Pass
CBN	ND ¹	ND ¹	ND ¹	0.05	0.02	-	Pass
CBD	0.10	0.95	53.31	0.05	0.02	-	Pass
CBDV	ND ¹	ND ¹	ND ¹	0.05	0.02	-	Pass
CBDA	ND ¹	ND ¹	ND ¹	0.05	0.02	-	Pass
Total	0.19	1.870	104.21	NA	NA	-	-
Total THC	0.09	0.91	50.90	-	-	-	Pass
Total CBD	0.10	0.95	53.31	-	-	-	Pass

¹ND = Not Detected
^{A1}L.C. = Label Claim in mg/g
^A Total mg based on 55.84g
Total THC = ((THCA*0.877)+ d9-THC) / Total CBD = ((CBDA*0.877)+ CBD)
HPLC/DAD results are not moisture normalized. / ~100% Decarboxylated THC



Microbiological Screening - Pass

Petrifilm screening for microbiological contamination. (SOP-009) | Date Performed: 2019-10-09

	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

ND = Not Detected

Residual Solvent Analysis - Pass

Analysis of residual solvents. (SOP-011) | Date Performed: 2019-10-10

Solvent	ug/g	Action Limit (ug/g)	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	ND ¹	5000	150.00	10.00	Pass
Acetonitrile	ND ¹	410	6.00	2.30	Pass
Ethanol	ND ¹	N/A	250.00	2.00	N/A
Ethyl Acetate	ND ¹	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	ND ¹	N/A	50.00	10.00	Pass
Methanol	ND ¹	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	ND ¹	5000	200.00	10.00	Pass
Toluene	ND ¹	890	3.00	1.00	Pass
Total Xylenes	84.8	2170	3.00	1.00	Pass

¹ND = Not Detected

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. All LQC samples required by § 5730 were performed and met the acceptance criteria required by California Code of Regulations Title 16 Division 42. As part of our strict confidentiality policy, CW can only discuss results with the original client of record. Comments? lab@cwanalytical.com
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This sample was tested by CW Analytical Laboratories.
Results are valid through the expiration date indicated.

Robert W Martin, PhD

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Overall Batch Status - Pass



Chemical Residue Screening - Pass

Targeted analysis of chemical residues. [SOP-017] | Date Performed: 2019-10-11

	ug/g	LOQ (ug/g)	LOD (ug/g)	Action Limit (ug/g)	Status		ug/g	LOQ (ug/g)	LOD (ug/g)	Action Limit (ug/g)	Status
Abamectin	ND ¹	0.04	0.02	0.30	Pass	Fludioxonil	ND ¹	0.08	0.04	30.00	Pass
Acephate	ND ¹	0.08	0.04	5.00	Pass	Hexythiazox	ND ¹	0.04	0.02	2.00	Pass
Acequinocyl	ND ¹	0.04	0.02	4.00	Pass	Imazalil	ND ¹	0.04	0.02	0.00	Pass
Acetamiprid	ND ¹	0.02	0.01	5.00	Pass	Imidacloprid	ND ¹	0.10	0.04	3.00	Pass
Aldicarb	ND ¹	0.04	0.02	0.00	Pass	Kresoxim-methyl	ND ¹	0.10	0.04	1.00	Pass
Azoxystrobin	ND ¹	0.02	0.01	40.00	Pass	Malathion	ND ¹	0.04	0.02	5.00	Pass
Bifenazate	ND ¹	0.02	0.01	5.00	Pass	Metalaxyl	ND ¹	0.04	0.02	15.00	Pass
Bifenthrin	ND ¹	0.08	0.04	0.50	Pass	Methiocarb	ND ¹	0.04	0.02	0.00	Pass
Boscalid	ND ¹	0.04	0.02	10.00	Pass	Methomyl	ND ¹	0.08	0.04	0.10	Pass
Captan	ND ¹	0.04	0.02	5.00	Pass	Mevinphos	ND ¹	0.08	0.04	0.00	Pass
Carbaryl	ND ¹	0.04	0.02	0.50	Pass	Myclobutanil	ND ¹	0.10	0.04	9.00	Pass
Carbofuran	ND ¹	0.04	0.02	0.00	Pass	Naled	ND ¹	0.02	0.01	0.50	Pass
Chlorantraniliprole	ND ¹	0.08	0.04	40.00	Pass	Oxamyl	ND ¹	0.04	0.02	0.20	Pass
Chlordane	ND ¹	0.10	0.04	0.00	Pass	Paclobutrazol	ND ¹	0.04	0.02	0.00	Pass
Chlorfenapyr	ND ¹	0.10	0.04	0.00	Pass	Parathion methyl	ND ¹	0.04	0.02	0.00	Pass
Chlorpyrifos	ND ¹	0.08	0.04	0.00	Pass	PCNB	ND ¹	0.02	0.01	0.20	Pass
Clofentezine	ND ¹	0.02	0.01	0.50	Pass	Permethrin	ND ¹	0.10	0.04	20.00	Pass
Coumaphos	ND ¹	0.04	0.02	0.00	Pass	Phosmet	ND ¹	0.04	0.02	0.20	Pass
Cyfluthrin	ND ¹	0.10	0.04	1.00	Pass	Piperonyl butoxide	ND ¹	0.10	0.04	8.00	Pass
Cypermethrin	ND ¹	0.10	0.04	1.00	Pass	Prallethrin	ND ¹	0.10	0.04	0.40	Pass
Daminozide	ND ¹	0.08	0.04	0.00	Pass	Propiconazole	ND ¹	0.08	0.04	20.00	Pass
Diazinon	ND ¹	0.02	0.01	0.20	Pass	Propoxur	ND ¹	0.02	0.01	0.00	Pass
Dichlorvos	ND ¹	0.01	0.01	0.00	Pass	Pyrethrin	ND ¹	0.04	0.01	1.00	Pass
Dimethoate	ND ¹	0.04	0.02	0.00	Pass	Pyridaben	ND ¹	0.04	0.02	15.00	Pass
Dimethomorph	ND ¹	0.04	0.02	20.00	Pass	Spinetoram	ND ¹	0.08	0.04	3.00	Pass
Ethoprophos	ND ¹	0.02	0.01	0.00	Pass	Spinosad	ND ¹	0.04	0.02	3.00	Pass
Etofenprox	ND ¹	0.04	0.02	0.00	Pass	Spiromesifen	ND ¹	0.08	0.04	12.00	Pass
Etoxazole	ND ¹	0.04	0.02	1.50	Pass	Spirotetramat	ND ¹	0.04	0.02	13.00	Pass
Fenhexamid	ND ¹	0.08	0.04	10.00	Pass	Spiroxamine	ND ¹	0.04	0.02	0.00	Pass
Fenoxycarb	ND ¹	0.04	0.02	0.00	Pass	Tebuconazole	ND ¹	0.08	0.04	2.00	Pass
Fenpyroximate	ND ¹	0.08	0.04	2.00	Pass	Thiacloprid	ND ¹	0.04	0.02	0.00	Pass
Fipronil	ND ¹	0.08	0.04	0.00	Pass	Thiamethoxam	ND ¹	0.04	0.02	4.50	Pass
Flonicamid	ND ¹	0.04	0.02	0.20	Pass	Trifloxystrobin	ND ¹	0.01	0.01	30.00	Pass

¹ND = Not Detected

Heavy Metals Profiling - Pass

Analysis of Heavy Metals. [SOP-012] | Date Performed: 2019-10-14

	ug/g	LOQ (ug/g)	LOD (ug/g)	Action Limit (ug/g)	Status
Cadmium	ND ¹	0.04	0.01	0.5	Pass
Lead	<LOQ	0.04	0.01	0.5	Pass
Arsenic	ND ¹	0.07	0.02	1.5	Pass
Mercury	ND ¹	0.05	0.02	3.0	Pass

¹ND = Not Detected

Water Activity -

Analysis to determine water activity | Date Performed:

Aw	Action Limit (Aw)	Status
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Foreign Material Analysis - Pass

Analysis to determine whether foreign material is present | Date Performed: 2019-10-09

Analysis

Product within acceptable limits for all foreign material criteria.

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. All LQC samples required by § 5730 were performed and met the acceptance criteria required by California Code of Regulations Title 16 Division 42. As part of our strict confidentiality policy, CW can only discuss results with the original client of record. Comments? lab@cwanalytical.com
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Status

Pass

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Overall Batch Status - Pass



Mycotoxin Screening - Pass

Analysis of Mycotoxins. | Date Performed: 2019-10-11

	ug/kg	LOQ (ug/kg)	LOD (ug/kg)	Status
Aflatoxin B1	ND ¹	3.6	1.2	Pass
aflatoxin B2	ND ¹	3.6	1.2	Pass
Aflatoxin G1	ND ¹	3.6	1.2	Pass
Aflatoxin G2	ND ¹	3.6	1.2	Pass
Ochratoxin A	ND ¹	5.1	1.7	Pass
Aflatoxin sum²	0.00	NA	NA	

¹ND = Not Detected

²Sum of Aflatoxin B1, B2, G1, G2

Terpene Profiling -

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

PPM	mg/g	LOQ(mg/g)	LOD(mg/g)	L.C. ²	Status	PPM	mg/g	LOQ(mg/g)	LOD(mg/g)	L.C. ²	Status
a-Pinene	NT					Terpinolene	NT				
Camphene	NT					Linalool	NT				
b-Myrcene	NT					Isopulegol	NT				
b-Pinene	NT					Geraniol	NT				
d3-Carene	NT					b-Caryophyllene	NT				
a-Terpinene	NT					a-Caryophyllene	NT				
a-Ocimene	NT					cis-Nerolidol	NT				
d-Limonene	NT					trans-Nerolidol	NT				
p-Cymene	NT					guaial	NT				
b-Ocimene	NT					a-Bisabolol	NT				
g-Terpinene	NT										

Total Terpenes 0.0 PPM

²L.C. = Label Claim



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