

Sample Name: Vertly - CBD Face Serum

Client: claudiamata
 Sample Type: Topical
 Strain: Unknown
 Product Weight: 28.05 g

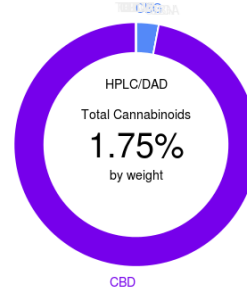
Submitted: September 03, 2020
 Tested: September 03, 2020
 Expires: September 03, 2021
 Submitted for: HPLC,



Profiling by Liquid Chromatography - Pass

[SOP-2050] | Date Performed: 2020-09-04

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	0.000	0.010	0.003	-	Pass
d8-THC	ND ¹	ND ¹	0.00	0.000	0.010	0.003	-	Pass
THCA	ND ¹	ND ¹	0.00	0.000	0.010	0.003	-	Pass
THCV	ND ¹	ND ¹	0.00	0.000	0.010	0.003	-	Pass
THCVA	ND ¹	ND ¹	0.00	0.000	0.010	0.003	-	Pass
CBC	ND ¹	ND ¹	0.00	0.000	0.010	0.003	-	Pass
CBG	0.053	0.528	14.82	0.000	0.010	0.003	-	Pass
CBGA	ND ¹	ND ¹	0.00	0.000	0.010	0.003	-	Pass
CBN	ND ¹	ND ¹	0.00	0.000	0.010	0.003	-	Pass
CBD	1.701	17.010	477.12	0.000	0.010	0.003	-	Pass
CBDV	ND ¹	ND ¹	0.00	0.000	0.010	0.003	-	Pass
CBDA	ND ¹	ND ¹	0.00	0.000	0.010	0.003	-	Pass
Total	1.754	17.538	491.94	NA	NA	NA	-	Pass
Total THC	ND¹	ND¹	ND¹	-	-	-	-	Pass
Total CBD	1.701	17.010	477.12	-	-	-	-	Pass



HPLC/DAD results are not moisture normalized.

-0% Decarboxylated THC

¹L.C. = Label Claim in mg/g

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

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

Microbiological Screening -

Screening for microbiological contamination. [SOP-6010 (Asp), SOP-6060 (Sal), SOP-6070 (STEC) CONTINGENT upon request: SOP-6040 (petrifilm)] | Date Performed:

	Analysis	Limit of Detection	Action Limits	Status
Shiga-Toxin E. Coli	NA	< 1 cfu/g	cfu/g	
Salmonella	NA	< 1 cfu/g	cfu/g	
Aspergillus	NA	< 1 cfu/g	cfu/g	
Pseudomonas	NA	< 1 cfu/g	cfu/g	
APC	NA	< 1 cfu/g	cfu/g	
E. Coli	NA	< 1 cfu/g	cfu/g	
Coliform	NA	< 1 cfu/g	cfu/g	
Yeast & Mold	NA	< 1 cfu/g	cfu/g	

*TNTC = Too Numerous To Count

¹ND = Not Detected

Residual Solvent Analysis -

Analysis of residual solvents. [SOP-2060] | Date Performed:

Solvent	ug/g	Action Limit (ug/g)	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				

¹ND = Not Detected

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

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. Sample data reflect results at the time of testing. Results may vary with storage conditions over time. Per BCC regulations, cannabis goods that have not been transported to retail within 12 months of the date on this certificate of analysis must be destroyed or retested by the licensed distributor in possession of the cannabis goods. Comments? lab@cwanalytical.com



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Robert W Martin, PhD

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Chemical Residue Screening -

Targeted analysis of chemical residues. [SOP-2011 (GC), SOP-2012 (LC)] | Date Performed:

	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	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					Propoxur	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				
Fonicamid	NT					Trifloxystrobin	NT				

*ND = Not Detected
 NT = Not Tested

Heavy Metals Profiling -

Analysis of Heavy Metals. [SOP-2020] | Date Performed:

	ug/g	LOQ(ug/g)	LOD(ug/g)	Action Limit (ug/g)	Status
Cadmium					
Lead					
Arsenic					
Mercury					

*ND = Not Detected

Water Activity -

Analysis to determine water activity [SOP-4070] | Date Performed:

Aw	Action Limit (Aw)	Status

Foreign Material Analysis -

Analysis to determine whether foreign material is present [SOP-2020] | Date Performed:

Analysis	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

¹ND = Not Detected

Terpene Profiling -

Analysis of terpenes. [SOP-2070] | Date Performed:

	PPM	mg/g	LOQ (mg/g)	LOD (mg/g)	L.C. ²	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-Humulene						NT
guaiol						NT
Terpinolene						NT
a-Terpinene						NT

Total Terpenes

0.0 PPM

¹ND = Not Detected

²L.C. = Label Claim

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