

HPLC Analysis Report

Cannabinoid Profile Certificate of Analysis

Client: Hulsa LLC Date Received: 9-29-20
 Sample Name: Softgels 25mg Date Tested: 9-29-20
 Sample Matrix: Soft Gel APRC #: FY200929A
 Sample Lot: HCG2521

ID#	Cannabinoid	Ret. Time	Conc. (µg/mL)	% (w/w)	mg/g
1	Cannabidivarin (CBDV)	2.162	9.108	0.01	0.13
2	Cannabidiolic acid (CBDA)	ND	ND	N/A	N/A
3	Cannabigerolic acid (CBGA)	<LOQ	<LOQ	N/A	N/A
4	Cannabigerol (CBG)	3.001	5.224	0.01	0.07
5	Cannabidiol (CBD)	3.160	2229.833	3.17	31.74
6	Tetrahydrocannabivarin (THCV)	ND	ND	N/A	N/A
7	Cannabinol (CBN)	4.650	12.565	0.02	0.18
8	Δ9-Tetrahydrocannabinol (Δ9-THC)	ND	ND	N/A	N/A
9	Δ8-Tetrahydrocannabinol (Δ8-THC)	ND	ND	N/A	N/A
10	Cannabichromene (CBC)	7.310	18.822	0.03	0.27
11	Δ9-Tetrahydrocannabinolic acid (THCA-A)	ND	ND	N/A	N/A

		%	mg/g	
Analyzed by:	C. Wiscombe	Total Cannabinoids	3.25	32.46
		Total THC [†]	N/A	N/A
Reviewed by:	C. Gunn	Total CBD [‡]	3.17	31.74

[†] Total THC is calculated by Δ9-THC +(THCA-A*0.877)

[‡] Total CBD is calculated by CBD + (CBDA*0.877)

Notes:

Broad Spec Vegan Softgel

Batch ID:	HGC2521	Test ID:	T000097817
Reported:	25-Sep-2020	Method:	TM17
Type:	Concentrate		
Test:	Pesticides		

PESTICIDE RESIDUE


Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	40 - 2369	ND*	Malathion	273 - 2369	ND*
Acetamiprid	39 - 2369	ND*	Metalaxyl	46 - 2369	ND*
Abamectin	>252	ND*	Methiocarb	40 - 2369	ND*
Azoxystrobin	43 - 2369	ND*	Methomyl	41 - 2369	ND*
Bifenazate	45 - 2369	ND*	MGK 264 1	153 - 2369	ND*
Boscalid	42 - 2369	ND*	MGK 264 2	112 - 2369	ND*
Carbaryl	41 - 2369	ND*	Myclobutanil	45 - 2369	ND*
Carbofuran	37 - 2369	ND*	Naled	40 - 2369	ND*
Chlorantraniliprole	39 - 2369	ND*	Oxamyl	41 - 2369	ND*
Chlorpyrifos	38 - 2369	ND*	Paclobutrazol	42 - 2369	ND*
Clofentezine	278 - 2369	ND*	Permethrin	273 - 2369	ND*
Diazinon	276 - 2369	ND*	Phosmet	45 - 2369	ND*
Dichlorvos	>252	ND*	Prophos	259 - 2369	ND*
Dimethoate	40 - 2369	ND*	Propoxur	38 - 2369	ND*
E-Fenpyroximate	285 - 2369	ND*	Pyridaben	283 - 2369	ND*
Etofenprox	41 - 2369	ND*	Spinosad A	29 - 2369	ND*
Etoazole	282 - 2369	ND*	Spinosad D	79 - 2369	ND*
Fenoxycarb	>42	ND*	Spiromesifen	>258	ND*
Fipronil	46 - 2369	ND*	Spirotetramat	>271	ND*
Flonicamid	42 - 2369	ND*	Spiroxamine 1	17 - 2369	ND*
Fludioxonil	>255	ND*	Spiroxamine 2	21 - 2369	ND*
Hexythiazox	34 - 2369	ND*	Tebuconazole	261 - 2369	ND*
Imazalil	269 - 2369	ND*	Thiacloprid	41 - 2369	ND*
Imidacloprid	38 - 2369	ND*	Thiamethoxam	43 - 2369	ND*
Kresoxim-methyl	43 - 2369	ND*	Trifloxystrobin	39 - 2369	ND*

* ND = None Detected (Defined by Dynamic Range of the method)

N/A

FINAL APPROVAL


 Sam Smith
 25-Sep-2020
 2:31 PM


 Ben Minton
 25-Sep-2020
 4:39 PM

PREPARED BY / DATE

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.

CBD Broad Spectrum Vegan Softgels

Batch ID:	HCG2521	Test ID:	T000098025
Reported:	27-Sep-2020	Method:	TM24, TM25, TM26, TM27, TM28
Type:	Edible		
Test:	Microbial Contaminants		

MICROBIAL CONTAMINANTS

Contaminant	Result (CFU/g)*
Total Aerobic Count**	None Detected
Total Coliforms**	None Detected
Total Yeast and Molds**	None Detected
E. coli	Absent
STEC and 0157 E. coli	None Detected
Salmonella	None Detected

* CFU/g = Colony Forming Unit per Gram



** Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples: $10^2 = 100$ CFU
 $10^3 = 1,000$ CFU
 $10^4 = 10,000$ CFU
 $10^5 = 100,000$ CFU

NOTES:

Free from visual mold, mildew, and foreign matter
TYM: None Detected
Total Aerobic: None Detected

FINAL APPROVAL


Sarah Henning
27-Sep-2020
2:55 PM
Greg Zimpfer
27-Sep-2020
8:47 PM

PREPARED BY / DATE

APPROVED BY / DATE

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