



Certificate of Analysis

Product: PHBO-0077 300 mg Softgels - LA Compliant

Batch Number: 567516

Best-By Date: 07/01/2022

Characteristic	Instrument	Specification	Result	Pass/ Fail/ N/A
Identity				
Color & Appearance	Visual	Oval softgel with golden tinted oily liquid	Complies	Pass
Odor	Organoleptic	Characteristic of standard	Complies	Pass
Taste	Organoleptic	Neutral	Complies	Pass
Composition				
Fill Density	Density Meter	0.930 – 0.977 g/mL	Complies	Pass
Softgel Fill Weight	Gravimetric	0.67 – 0.76 g/softgel	Complies	Pass
Softgel Total Weight	Gravimetric	0.97 – 1.12 g/softgel	Complies	Pass
Strength - Cannabinoids				
Total CBD ¹	HPLC	300.0 - 408.0 mg/bottle	333.9 mg/bottle ⁴	Pass
Total THC ¹	HPLC	≤ 0.30%; Detected	0.19% ⁴	Pass
CBDa	HPLC	Report Result	Not Detected ⁴	N/A
CBG	HPLC	Report Result	0.09% ⁴	N/A
CBD	HPLC	Report Result	1.54% ⁴	N/A
CBN	HPLC	Report Result	0.02% ⁴	N/A
THC	HPLC	Report Result	0.19% ⁴	N/A
CBC	HPLC	Report Result	0.06% ⁴	N/A
THCa	HPLC	Report Result	Not Detected ⁴	N/A
Contaminants - Residual Solvents				
Acetone	GC-FID	< 1,000 ppm	Complies ⁴	Pass
Butanes	GC-FID	< 1,000 ppm	Complies ⁴	Pass
Ethanol	GC-FID	< 1,000 ppm	Complies ⁴	Pass
Heptanes	GC-FID	< 1,000 ppm	Complies ⁴	Pass
Isopropyl Alcohol	GC-FID	< 1,000 ppm	Complies ⁴	Pass
Propane	GC-FID	< 1,000 ppm	Complies ⁴	Pass
Benzene	GC-FID	< 2 ppm	Complies ⁴	Pass
Toluene	GC-FID	< 180 ppm	Complies ⁴	Pass
Pentane	GC-FID	< 1,000 ppm	Complies ⁴	Pass
Hexane	GC-FID	< 60 ppm	Complies ⁴	Pass
Total Xylenes (m,p,o-xylenes)	GC-FID	< 430 ppm	Complies ⁴	Pass
Methanol	GC-FID	< 600 ppm	Complies ⁴	Pass
Ethyl Acetate	GC-FID	< 1,000 ppm	Complies ⁴	Pass



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Characteristic	Instrument	Specification	Result	Pass/ Fail/ N/A
Contaminants - Pesticides				
Abamectin (avermectins: B1a & B1b)	GC-MS / LC-MS	< 0.07 ppm	Complies ⁴	Pass
Azoxystrobin	GC-MS / LC-MS	< 0.02 ppm	Complies ⁴	Pass
Bifenazate	GC-MS / LC-MS	< 0.02 ppm	Complies ⁴	Pass
Etoazole	GC-MS / LC-MS	< 0.01 ppm	Complies ⁴	Pass
Imazalil	GC-MS / LC-MS	< 0.04 ppm	Complies ⁴	Pass
Imidacloprid	GC-MS / LC-MS	< 0.02 ppm	Complies ⁴	Pass
Malathion	GC-MS / LC-MS	< 0.05 ppm	Complies ⁴	Pass
Myclobutanil	GC-MS / LC-MS	< 0.04 ppm	Complies ⁴	Pass
Permethrin (mix of isomers)	GC-MS / LC-MS	< 0.04 ppm	Complies ⁴	Pass
Spinosad (mixture of A and D)	GC-MS / LC-MS	< 0.06 ppm	Complies ⁴	Pass
Spiromesifen	GC-MS / LC-MS	< 0.03 ppm	Complies ⁴	Pass
Spirotetramat	GC-MS / LC-MS	< 0.02 ppm	Complies ⁴	Pass
Tebuconazole	GC-MS / LC-MS	< 0.01 ppm	Complies ⁴	Pass
Contaminants - Heavy Metals				
Arsenic	ICP-MS USP <730>	< 1.68 µg/softgel	Complies ⁴	Pass
Cadmium	ICP-MS USP <730>	< 0.56 µg/softgel	Complies ⁴	Pass
Lead	ICP-MS USP <730>	< 0.50 µg/softgel	Complies ⁴	Pass
Mercury	ICP-MS USP <730>	< 0.30 µg/softgel	Complies ⁴	Pass
Microbial Purity				
Total Plate Count	USP <2021>	< 10,000 CFU/g	Complies ⁴	Pass
Yeast & Mold	USP <2021>	≤ 1,000 CFU/g	Complies ⁴	Pass
<i>E. coli</i>	USP <2022>	Absent/10 g	Complies ⁴	Pass
<i>Salmonella spp.</i>	USP <2022>	Absent/10 g	Complies ⁴	Pass

¹ All cannabinoids in their acid forms (ending in “a”) are convertible to their non-acid forms via a decarboxylation process (heating). The THC and CBD maximum values reported are the maximum theoretical amounts of THC and CBD the tested product would have if it were fully decarboxylated.

² Bulk softgels batch 50485 was packed into finished good batch 567516. Results for 50485 apply to 567516

³ Cannabinoid detected below Limit of Quantitation (LOQ).

⁴ Result was acquired by 3rd party laboratory.

Approved By: Dylan C Neal

Date: 11/05/2020

LABORATORY CANNABINOID PROFILE CERTIFICATE OF ANALYSIS	Extraction Date:30-Dec-19 Analysis Date/Time:30-Dec-19, 18:39:06
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CUSTOMER INFORMATION		SAMPLE DETAILS	
Company:	Advanced Plant Processing	Sample Name	50845 10mg CBD/Coconut Softgel Encapsulated (Bronze)
Contact Person:	Alex Seleznov	Sample Number	1908718
Contact Email:	Alex@advancedplantprocessing.com	Sample Information	Average Weight = 0.72248g
Contact phone:	303-659-8037		

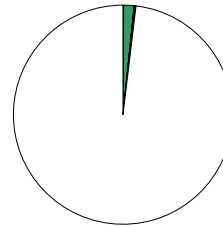
Substance Potency Analysis

CANNABINOID	Mg. PER GRAM	TOTAL Mg. IN A	0.72	GRAM PACKAGE (as reported by client)
CBD MAXIMUM *	15.40	11.13		
THC MAXIMUM *	1.92	1.39		
CBDA	ND ¹	ND ¹		
CBG	0.94	0.68		
CBD	15.40	11.13		
CBN	0.16	0.12		
Δ9-THC	1.86	1.35		
CBC	0.61	0.44		
THCA	0.06	0.04		

Substance Distribution Analysis

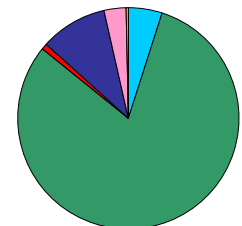
COLOR CODE	CANNABINOID	% BY WEIGHT	Distribution
	CBDA	ND ¹	ND ¹
	CBG	0.09	4.94%
	CBD	1.54	80.88%
	CBN	0.02	0.85%
	Δ9-THC	0.19	9.78%
	CBC	0.06	3.22%
	THCA	0.01	0.33%

% By Weight



White in % by weight is inert material

Distribution



* All cannabinoids in their acid forms (ending in "A") are convertible to their non-acid forms via a decarboxylation process (heating). The THC and CBD maximum values reported above are the maximum theoretical amounts of THC and CBD the tested product would have if it were fully decarboxylated.

Emily Boyd
Emily Boyd
Laboratory Director

Maximum % THC values exceeding three-tenths of one percent (0.3%) on a dry weight basis do not qualify as industrial hemp

Maximum % THC Value for this sample is: 0.19 %

¹ Cannabinoid not detected (ND).

² Cannabinoid detected below Limit of Quantitation (LOQ).

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PHBO 300 mg Softgels

Batch ID:	567516	Test ID:	T000106859
Type:	Concentrate	Submitted:	10/29/2020 @ 01:49 PM
Test:	Residual Solvents	Started:	11/3/2020
Method:	TM04	Reported:	11/3/2020


RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	88 - 1767	*ND
Butanes (Isobutane, n-Butane)	178 - 3551	*ND
Methanol	58 - 1167	*ND
Pentane	94 - 1871	*ND
Ethanol	92 - 1836	*ND
Acetone	95 - 1902	*ND
Isopropyl Alcohol	99 - 1982	*ND
Hexane	6 - 115	*ND
Ethyl Acetate	96 - 1927	*ND
Benzene	0.2 - 3.8	*ND
Heptanes	93 - 1863	*ND
Toluene	17 - 343	*ND
Xylenes (m,p,o-Xylenes)	124 - 2473	*ND


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

NOTES:
N/A

FINAL APPROVAL


Ryan Weems
3-Nov-2020
2:18 PM

PREPARED BY / DATE


Ben Minton
3-Nov-2020
4:16 PM

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. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02



Certificate #4329.02

PHBO 300 mg Softgels

Batch ID:	567516	Test ID:	T000106860
Type:	Concentrate	Submitted:	10/29/2020 @ 01:49 PM
Test:	Pesticides	Started:	11/3/2020
Method:		Reported:	11/4/2020


PESTICIDE RESIDUE


Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	33 - 2192	ND*	Malathion	256 - 2192	ND*
Acetamiprid	33 - 2192	ND*	Metalaxyl	39 - 2192	ND*
Abamectin	>260	ND*	Methiocarb	37 - 2192	ND*
Azoxystrobin	40 - 2192	ND*	Methomyl	33 - 2192	ND*
Bifenazate	35 - 2192	ND*	MGK 264 1	156 - 2192	ND*
Boscalid	39 - 2192	ND*	MGK 264 2	110 - 2192	ND*
Carbaryl	35 - 2192	ND*	Myclobutanil	36 - 2192	ND*
Carbofuran	39 - 2192	ND*	Naled	41 - 2192	ND*
Chlorantraniliprole	44 - 2192	ND*	Oxamyl	33 - 2192	ND*
Chlorpyrifos	33 - 2192	ND*	Paclobutrazol	39 - 2192	ND*
Clofentezine	274 - 2192	ND*	Permethrin	239 - 2192	ND*
Diazinon	267 - 2192	ND*	Phosmet	40 - 2192	ND*
Dichlorvos	>241	ND*	Prophos	259 - 2192	ND*
Dimethoate	34 - 2192	ND*	Propoxur	37 - 2192	ND*
E-Fenpyroximate	258 - 2192	ND*	Pyridaben	265 - 2192	ND*
Etofenprox	37 - 2192	ND*	Spinosad A	27 - 2192	ND*
Etoxazole	259 - 2192	ND*	Spinosad D	91 - 2192	ND*
Fenoxycarb	>40	ND*	Spiromesifen	>241	ND*
Fipronil	45 - 2192	ND*	Spirotetramat	>258	ND*
Flonicamid	39 - 2192	ND*	Spiroxamine 1	17 - 2192	ND*
Fludioxonil	>272	ND*	Spiroxamine 2	21 - 2192	ND*
Hexythiazox	30 - 2192	ND*	Tebuconazole	282 - 2192	ND*
Imazalil	250 - 2192	ND*	Thiacloprid	34 - 2192	ND*
Imidacloprid	35 - 2192	ND*	Thiamethoxam	34 - 2192	ND*
Kresoxim-methyl	40 - 2192	ND*	Trifloxystrobin	39 - 2192	ND*

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

N/A

FINAL APPROVAL

 Tyler Wiese
 4-Nov-2020
 3:40 PM

 Greg Zimpfer
 4-Nov-2020
 8:12 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.

If you liked our service, please tell a friend. If you didn't, please tell us!

Test Certificate

Description: 10mg CBD/Coconut Softgel Encapsulated (Bronze)

Sample ID: 50845

Lot No:

Part Code:

Location:

PO No:

Received: 12/2/2019

Client: Dylan Neal

Advanced Extraction

5455 Spine Road #E

Boulder, CO 80301

Lab No: 183524-01

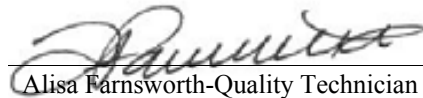
Completed: 12/9/2019

Analysis	Result	Per Unit	Specifications	Method
Mercury	0.015	ppm	< 0.3 ppm	ICP-MS USP <730>
Lead	0.005	ppm	< 0.5 ppm	ICP-MS USP <730>
Arsenic	0.008	ppm	< 10 ppm	ICP-MS USP <730>
Cadmium	<0.001	ppm	< 4.1 ppm	ICP-MS USP <730>

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THIS CERTIFICATE SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT WRITTEN APPROVAL FROM ADVANCED LABORATORIES.

Results Approved By:


Alisa Farnsworth-Quality Technician

Dated:

12/9/2019

Printed: 12/9/2019 7:06:38 PM



If you liked our service, please tell a friend. If you didn't, please tell us!

Test Certificate

Description: PHBO - 30 ct 10 mg CBD FSH Vegan Softgels (Louisia
 Sample ID: 93.00BPRINS567516-S1
 Lot No: 567516
 Location:
 Received: 10/23/2020
 Completed: 10/28/2020

Client: AP
 Elite Health Partners
 5455 Spine Rd
 Boulder, CO 80301
 US

Lab No: 205325-01

Analysis	Result	Per Unit	Specifications	Method
Total Aerobic Microbial Count	<10	CFU/g	Report	USP <2021>
Coliform	<10	CFU/g	Report	AOAC 991.14
E.Coli	Absent	per 10 grams	Report	USP <2022>
Staphylococcus aureus	Absent	per 10 grams	Report	USP <2022>
Salmonella	Absent	per 10 grams	Report	USP <2022>
Total Yeast & Mold	<10	CFU/g	Report	USP <2021>
Yeast *	<10	CFU/g	Report	USP <2021>
Mold *	<10	CFU/g	Report	USP <2021>

* For informational purposes only.

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THIS CERTIFICATE SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT WRITTEN APPROVAL FROM ADVANCED LABORATORIES.

Results Approved By:



Kristina Noll - Quality Technician

Dated:

10/28/2020

Printed: 10/28/2020 3:35:50 PM

