



Certificate of Analysis

Product: PHBO-0069 750 mg Softgels - LA Compliant

Batch Number: 987214

Best-By Date: 04/10/2022

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	750.0 - 1,020.0 mg/bottle	777.2 mg/bottle	Pass
Total THC ¹	HPLC	≤ 0.30%; Detected	0.14%	Pass
CBDa	HPLC	Report Result	Not Detected	N/A
CBG	HPLC	Report Result	0.13%	N/A
CBD	HPLC	Report Result	3.81%	N/A
CBN	HPLC	Report Result	Not Detected	N/A
THC	HPLC	Report Result	0.14%	N/A
CBC	HPLC	Report Result	Not Detected	N/A
THCa	HPLC	Report Result	Not Detected	N/A
Contaminants - Residual Solvents				
Acetone	GC-FID	< 1,000 ppm	Complies	Pass
Butanes	GC-FID	< 1,000 ppm	Complies	Pass
Ethanol	GC-FID	< 1,000 ppm	Complies	Pass
Heptanes	GC-FID	< 1,000 ppm	Complies	Pass
Isopropyl Alcohol	GC-FID	< 1,000 ppm	Complies	Pass
Propane	GC-FID	< 1,000 ppm	Complies	Pass
Benzene	GC-FID	< 2 ppm	Complies	Pass
Toluene	GC-FID	< 180 ppm	Complies	Pass
Pentane	GC-FID	< 1,000 ppm	Complies	Pass
Hexane	GC-FID	< 60 ppm	Complies	Pass
Total Xylenes (m,p,o-xylenes)	GC-FID	< 430 ppm	Complies	Pass
Methanol	GC-FID	< 600 ppm	Complies	Pass
Ethyl Acetate	GC-FID	< 1,000 ppm	Complies	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	Pass
Azoxystrobin	GC-MS / LC-MS	< 0.02 ppm	Complies	Pass
Bifenazate	GC-MS / LC-MS	< 0.02 ppm	Complies	Pass
Etoxazole	GC-MS / LC-MS	< 0.01 ppm	Complies	Pass
Imazalil	GC-MS / LC-MS	< 0.04 ppm	Complies	Pass
Imidacloprid	GC-MS / LC-MS	< 0.02 ppm	Complies	Pass
Malathion	GC-MS / LC-MS	< 0.05 ppm	Complies	Pass
Myclobutanil	GC-MS / LC-MS	< 0.04 ppm	Complies	Pass
Permethrin (mix of isomers)	GC-MS / LC-MS	< 0.04 ppm	Complies	Pass
Spinosad (mixture of A and D)	GC-MS / LC-MS	< 0.06 ppm	Complies	Pass
Spiromesifen	GC-MS / LC-MS	< 0.03 ppm	Complies	Pass
Spirotetramat	GC-MS / LC-MS	< 0.02 ppm	Complies	Pass
Tebuconazole	GC-MS / LC-MS	< 0.01 ppm	Complies	Pass
Contaminants - Heavy Metals				
Arsenic	ICP-MS USP <730>	< 1.68 µg/softgel	Complies	Pass
Cadmium	ICP-MS USP <730>	< 0.56 µg/softgel	Complies	Pass
Lead	ICP-MS USP <730>	< 0.50 µg/softgel	Complies	Pass
Mercury	ICP-MS USP <730>	< 0.30 µg/softgel	Complies	Pass
Microbial Purity				
Total Plate Count	USP <2021>	< 10,000 CFU/g	Complies	Pass
Yeast & Mold	USP <2021>	≤ 1,000 CFU/g	Complies	Pass
<i>E. coli</i>	USP <2022>	< 3 MPN/g	Complies	Pass
<i>Salmonella spp.</i>	USP <2022>	Absent/10 g	Complies	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 S.L. means "Skip Lot". Parameters are being monitored through product qualification testing and are currently in skip lot protocol.

³ Cannabinoid detected below Limit of Quantitation (LOQ).

⁴ Result was acquired by 3rd party laboratory.

⁵ The same bulk softgels from batch 11997 were packed into batch 987214. Testing from 11997 applies to 987214.

Reviewed By: _____

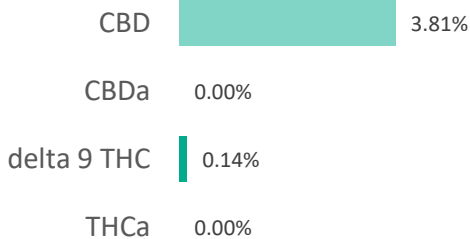
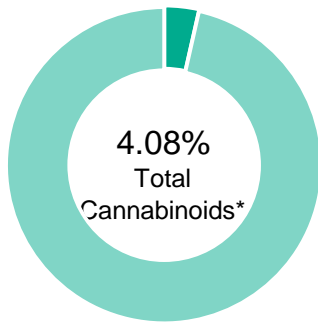
Date: 10.29.20

Approved By: _____

Date: 10.29.20

B004 750 mg Softgels - LA Compliant

Batch ID:	11997	Test ID:	1838911.0013
Reported:	14-May-2020	Method:	TM14
Type:	Concentrate		
Test:	Potency		


CANNABINOID PROFILE



Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.04	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.02	0.14	1.4
Cannabidiolic acid (CBDA)	0.09	ND	ND
Cannabidiol (CBD)	0.05	3.81	38.1
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.02	ND	ND
Cannabinolic Acid (CBNA)	0.05	ND	ND
Cannabinol (CBN)	0.02	ND	ND
Cannabigerolic acid (CBGA)	0.03	ND	ND
Cannabigerol (CBG)	0.02	0.13	1.3
Tetrahydrocannabivarinic Acid (THCVA)	0.03	ND	ND
Tetrahydrocannabivarin (THCV)	0.02	ND	ND
Cannabidivarinic Acid (CBDVA)	0.08	ND	ND
Cannabidivarin (CBDV)	0.05	ND	ND
Cannabichromenic Acid (CBCA)	0.03	ND	ND
Cannabichromene (CBC)	0.04	ND	ND
Total Cannabinoids		4.08	40.80
Total Potential THC**		0.14	1.40
Total Potential CBD**		3.81	38.10

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)
 * Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.
 ** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.
 Total THC = THC + (THCa * (0.877)) and Total CBD = CBD + (CBDa * (0.877))
 ND = None Detected (Defined by Dynamic Range of the method)

NOTES:
N/A

FINAL APPROVAL


 Ryan Weems
 14-May-2020
 12:50 PM


 Ben Minton
 14-May-2020
 2:12 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. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02



B004 750mg Softgels - LA Complaint

Batch ID:	11997	Test ID:	T000074742
Reported:	12-May-2020	Method:	TM04
Type:	Concentrate		
Test:	Residual Solvents		

RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	87 - 1746	*ND
Butanes (Isobutane, n-Butane)	157 - 3144	*ND
Methanol	59 - 1183	*ND
Pentane	88 - 1758	*ND
Ethanol	86 - 1726	*ND
Acetone	96 - 1917	*ND
Isopropyl Alcohol	100 - 2004	*ND
Hexane	6 - 118	*ND
Ethyl Acetate	97 - 1936	*ND
Benzene	0.2 - 3.8	*ND
Heptanes	90 - 1810	*ND
Toluene	17 - 349	*ND
Xylenes (m,p,o-Xylenes)	127 - 2533	*ND

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

NOTES:
N/A**FINAL APPROVAL**Tyler Wiese
12-May-2020
6:06 PMBen Minton
12-May-2020
8:12 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02

B004 750mg Softgels - LA Complaint

Batch ID:	11997	Test ID:	7391813.0032
Reported:	12-May-2020	Method:	TM17
Type:	Concentrate		
Test:	Pesticides		

PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	56 - 2570	ND*	Malathion	333 - 2570	ND*
Acetamiprid	56 - 2570	ND*	Metalaxyl	56 - 2570	ND*
Abamectin	>333	ND*	Methiocarb	56 - 2570	ND*
Azoxystrobin	56 - 2570	ND*	Methomyl	56 - 2570	ND*
Bifenazate	56 - 2570	ND*	MGK 264 1	333 - 2570	ND*
Boscalid	56 - 2570	ND*	MGK 264 2	333 - 2570	ND*
Carbaryl	56 - 2570	ND*	Myclobutanil	56 - 2570	ND*
Carbofuran	56 - 2570	ND*	Naled	56 - 2570	ND*
Chlorantraniliprole	56 - 2570	ND*	Oxamyl	56 - 2570	ND*
Chlorpyrifos	56 - 2570	ND*	Paclobutrazol	56 - 2570	ND*
Clofentezine	333 - 2570	ND*	Permethrin	333 - 2570	ND*
Diazinon	333 - 2570	ND*	Phosmet	56 - 2570	ND*
Dichlorvos	>333	ND*	Prophos	333 - 2570	ND*
Dimethoate	56 - 2570	ND*	Propoxur	56 - 2570	ND*
E-Fenpyroximate	56 - 2570	ND*	Pyridaben	56 - 2570	ND*
Etofenprox	56 - 2570	ND*	Spinosad A	56 - 2570	ND*
Etoxazole	333 - 2570	ND*	Spinosad D	333 - 2570	ND*
Fenoxycarb	>56	ND*	Spiromesifen	>333	ND*
Fipronil	56 - 2570	ND*	Spirotetramat	>333	ND*
Flonicamid	56 - 2570	ND*	Spiroxamine 1	56 - 2570	ND*
Fludioxonil	>333	ND*	Spiroxamine 2	56 - 2570	ND*
Hexythiazox	56 - 2570	ND*	Tebuconazole	333 - 2570	ND*
Imazalil	333 - 2570	ND*	Thiacloprid	56 - 2570	ND*
Imidacloprid	56 - 2570	ND*	Thiamethoxam	56 - 2570	ND*
Kresoxim-methyl	56 - 2570	ND*	Trifloxystrobin	56 - 2570	ND*

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

N/A

FINAL APPROVAL


Tyler Wiese
 12-May-2020
 6:36 PM

PREPARED BY / DATE



Ben Minton
 12-May-2020
 8:00 PM

APPROVED BY / DATE

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40 West Louise Ave., Salt Lake City, UT 84115
Phone: (801) 485-1800 Fax: (801) 484-9211
Email: utlab@advancedlabsinc.com
FDA Registration #14353128308

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Test Certificate

Description: 750 mg Softgels
Sample ID: 11997
Lot No:
Location:
Received: 5/7/2020
Completed: 5/14/2020

Client: Dylan Neal
Anthology Brands
1026 S Williams Street
Denver, CO 90209
United States

Lab No: 195602-01

Analysis	Result	Per Unit	Specifications	Method
Mercury	< 0.001	ppm	< 0.3 ppm	ICP-MS USP <730>
Lead	0.018	ppm	< 0.5 ppm	ICP-MS USP <730>
Arsenic	0.011	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: 
Kristina Noll - Quality Technician

Dated: 5/14/2020

Printed: 5/14/2020 4:38:29 PM





40 West Louise Ave., Salt Lake City, UT 84115
 Phone: (801) 485-1800 Fax: (801) 484-9211
 Email: utlab@advancedlabsinc.com
FDA Registration #14353128308

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Test Certificate

Description: PHBO - 30 ct 25mg CBD FSH Per Vegan Softgel / 160.
 Sample ID: 160.00BPRINS987214-S1
 Lot No: 987214
 Location:
 Received: 10/23/2020
 Completed: 10/28/2020

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

Lab No: 205326-01

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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Results Approved By: 
 Kristina Noll - Quality Technician

Dated: 10/28/2020

Printed: 10/28/2020 3:36:15 PM

