



Certificate of Analysis

Product: Pure Sleep Tincture

Batch Number: 59087

Best By: 07/22/2023

<u>Characteristic</u>	<u>Method</u>	<u>Specification</u>	<u>Result</u>	<u>Pass/ Fail</u>
<i>Identity</i>				
Color & Appearance	Visual	Tinted oily liquid	Complies	Pass
Odor	Organoleptic	Berry and terpene characteristic	Complies	Pass
<i>Strength - Cannabinoids</i>				
Maximum Total CBD ¹	HPLC	750 – 975 mg/unit	811 mg/unit	Pass
Maximum Total THC ¹	HPLC	Detected; < 0.30%	0.07%	Pass
CBN	HPLC	150 – 195 mg/unit	181 mg/unit	Pass
Melatonin	HPLC	60 – 78 mg/unit	64 mg/unit	Pass
<i>Contaminants – Residual Solvents</i>				
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
<i>Contaminants – Pesticides</i>				
Abamectin	LC-MS-MS	Not Detected	Complies	Pass
Azoxystrobin	LC-MS-MS	Not Detected	Complies	Pass
Bifenazate	LC-MS-MS	Not Detected	Complies	Pass
Etoxazole	LC-MS-MS	Not Detected	Complies	Pass
Imazalil	LC-MS-MS	Not Detected	Complies	Pass
Imidacloprid	LC-MS-MS	Not Detected	Complies	Pass
Malathion	LC-MS-MS	Not Detected	Complies	Pass
Myclobutanil	LC-MS-MS	Not Detected	Complies	Pass
Permethrins	LC-MS-MS	Not Detected	Complies	Pass
Spinosad (A & D)	LC-MS-MS	Not Detected	Complies	Pass
Spiromesifen	LC-MS-MS	Not Detected	Complies	Pass
Spirotetramat	LC-MS-MS	Not Detected	Complies	Pass
Tebuconazole	LC-MS-MS	Not Detected	Complies	Pass



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<i>Contaminants - Heavy Metals</i>				
Arsenic	ICP-MS / USP <730>	< 5.00 µg/mL	0.01 µg/mL	Pass
Cadmium	ICP-MS / USP <730>	< 2.05 µg/mL	< 0.01 µg/mL	Pass
Lead	ICP-MS / USP <730>	< 0.25µg/mL	0.03 µg/mL	Pass
Mercury	ICP-MS / USP <730>	< 0.15 µg/mL	< 0.01 µg/mL	Pass
<i>Microbial Purity</i>				
Total Aerobic Microbial Count	USP <2021>	< 3,000 CFU/g	< 10 CFU/g	Pass
Total Yeast & Mold Count	USP <2021>	< 300 CFU/g	< 10 CFU/g	Pass
<i>E. coli</i>	USP <2022>	Absent/10 g	Absent/10 g	Pass
<i>Salmonella spp.</i>	USP <2022>	Absent/10 g	Absent/10 g	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.

Approved By: Dylan Neal

Date: 03/01/2021

Gobi Hemp

Analytical Report - Certificate of Analysis



Manifest: 2101260001
Sample Id: 1A-GHEMP-2101260001-0001
Sample Name: FG-00-1003-PHBO-0076 - 59087
Sample Type: Infused (edible)
Client Id: CID-00273
Client:
Address:

Test Performed: Hemp Lab
Report No: P-2101260001-V1
Receive Date: 2021-01-26
Test Date: 2021-01-27
Report Date: 2021-01-28
Sample Condition: Good
Method Reference: GH-OP-06

Scope

The content of sixteen cannabinoids was determined by an in-house developed method for solvent extraction followed by High Performance Liquid Chromatography with Diode Array Detection.

Cannabinoids	mg/unit	mg/gram
CBDV	T	T
CBDA	ND	ND
CBGA	ND	ND
CBG	T	T
CBD	811.23	28.97
THCV	ND	ND
CBN	180.91	6.46
Δ9-THC	18.09	0.65
CBC	22.79	0.81
THCA	ND	ND
CBDVA	ND	ND
THCVA	ND	ND
CBNA	ND	ND
Δ8-THC	ND	ND
CBL	ND	ND
CBCA	ND	ND

ND - not detected; T - trace; ULOQ - limit of quantitation

	mg/unit	mg/gram
Total Δ9-THC	18.09	0.65
Total CBD	811.23	28.97
Total CBG	T	T
Total Cannabinoids	1033.02	36.89
Total Δ9-THC (%)		0.06%

Total Δ9-THC = Δ9-THC + (THCA x 0.877)
 Total CBD = CBD + (CBDA x 0.877)
 Total CBG = CBG + (CBGA x 0.877)

Net Weight (g)
28.00

Laboratory Comments:

Jon Person

Jon Person Client Relations Manager

2021-01-28

Date

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Gobi Hemp
 • 3940 Youngfield St. •
 • Wheat Ridge CO 80033 •
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 • (303) 955-4934 •





Received Date: 1/27/2021

Report Date: 2/8/2021

Advanced Botanical Consulting & Testing Inc.

1169 Warner Ave, Tustin, CA 92780, Phone:(714)259-0384 Fax: (714)259-0385

Sample Name: G-00-1003-PHBO-0076

Item#

Lot# 59087

Lab# 329569

PO#

Analysis:

Melatonin (HPLC)

Method:

SOP:3.1.3

Result:

2.14 mg/ml

Spec:

2 mg / ml



Cannabis Analytical
Science Program

Approved by: _____

Wendi Wang
Wendi Wang, PhD, President

Gobi Hemp

Analytical Report - Certificate of Analysis



Manifest: 2102110001
Sample Id: 1A-GHEMP-2102110001-0001
Sample Name: PHB Pure Sleep Tincture - 059087
Sample Type: Infused (edible)
Client Id: CID-00176
Client:
Address:

Test Performed: Hemp Lab
Report No: R-2102110001-V1
Receive Date: 2021-02-11
Test Date: 2021-02-15
Report Date: 2021-02-16
Sample Condition: Good
Method Reference: GH-OP-08

Scope

The content of fifteen residual solvents was determined by an in-house developed method for Headspace-Gas Chromatography with Flame Ionization Detection.

Solvents	Parts Per Million (ppm)
Propane	ND
Iso-Butane	ND
N-Butane	ND
Methanol	ND
Pentane	ND
Ethanol	ND
Acetone	ND
IPA	ND
Hexane	ND
Ethyl Acetate	ND
Benzene	ND
Heptane	ND
Toluene	ND
Xylenes	ND

ND - not detected; T - trace; ULOQ - upper limit of quantitation

Laboratory Comments:

Jon Person Client Relations Manager

2021-02-16

Date

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Pesticide Residues Report - Certificate of Analysis



Manifest: 2102110001
Sample Id: 1A-GHEMP-2102110001-0001
Sample Name: PHB Pure Sleep Tincture - 059087
Sample Type: Infused (edible)
Client Id: CID-00176
Client:
Address:

Test Performed: Hemp Lab
Report No: PE-2102110001-V2
Receive Date: 2021-02-11
Test Date: 2021-02-12
Report Date: 2021-02-17
Sample Condition: Good
Method Reference: GH-OP-11

Scope

The content of 60 pesticides were quantified using liquid chromatography coupled to multiple mass spectrometry (LC-MS2) equipped with electrospray ionization (ESI) in positive mode after sample extraction using methodology based on AOAC 2007 and EN 15662 standard procedures. Identification was based on the retention time of each compound and the product mass generated using single reaction monitoring (SRM), and quantitation was determined using external standard calibration.

Analyte	Reporting Level µg/g	µg/g
Avermectin B1a	0.1	ND
Acephate	0.1	ND
Acetamiprid	0.1	ND
Aldicarb	0.1	ND
Axoxystrobin	0.1	ND
Bifenazate	0.1	ND
Bifenthrin	0.1	ND
Boscalid	0.1	ND
Captan	0.1	ND
Carbaryl	0.1	ND
Carbofuran	0.1	ND
Chlorantran liprole	0.1	NT
Chlordane	0.1	ND
Chlorpyrifos	0.1	ND
Clofentazine	0.1	NT
Coumaphos	0.1	ND
Baythroid (Cyfluthrin)*	0.1	NT
Cypermethrin*	0.1	NT
Dichlorvos	0.1	NT
Diazinon	0.1	ND
Dimethoate	0.1	ND
Dimethomorph*	0.1	ND
Prophos	0.1	ND
Etofenprox	0.1	ND
Etoxazole	0.1	ND
Fenhexamid	0.1	ND
Fenoxycarb	0.1	ND
Fenpyroximate	0.1	ND
Fipron I	0.1	NT
Flonicamid	0.1	ND
Fludioxonil	0.1	ND

Analyte	Reporting Level µg/g	µg/g
Hexythiazox	0.1	ND
Imazilil	0.1	ND
Imidacloprid	0.1	ND
Kresoxim Methyl	0.1	ND
Malathion	0.1	ND
Metalaxyl	0.1	ND
Methiocarb	0.1	ND
Methomyl	0.1	ND
Mevinphos*	0.1	ND
MGK-264	0.1	ND
Myclobutan I	0.1	ND
Oxamyl	0.1	ND
Paclobutrazol	0.1	ND
Pentachloronitrobenzene	0.1	ND
Permethrin*	0.1	ND
Imidan(Phosmet)	0.1	ND
Piperonyl Butoxide	0.1	ND
Propiconazole	0.1	ND
Propuxor	0.1	ND
Pyrethrin*	0.1	ND
Pyridaben	0.1	ND
Spinetoram	0.1	ND
Spinosad*	0.1	ND
Spiromefesin	0.1	ND
Spirotetramat	0.1	ND
Spiroxamine	0.1	ND
Tebuconazole	0.1	ND
Thiacloprid	0.1	ND
Thiamethoxam	0.1	ND
Trifloxystrobin	0.1	ND

NT - not tested; ND - not detected above Reporting Level; T - trace; * Total of Isomers

Lab Comments:

2021-02-17

Date

Jerry Hogan - Director of Operations

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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

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

Test Certificate

Description: PHBO - 750mg CBD 150mg CBN FSH Per 30.00 ml Pure
 Sample ID: 171.00BPRINS559087-S3
 Lot No: 59087
 Location: Sleep Tincture/ 171.00BPRINS59087
 Received: 2/11/2021
 Completed: 2/18/2021

Lab No: 210698-01

Analysis	Result	Per Unit	Specifications	Method
Mercury	0.001	ppm	Report	ICP-MS USP <730>
Lead	0.037	ppm	Report	ICP-MS USP <730>
Arsenic	0.013	ppm	Report	ICP-MS USP <730>
Cadmium	0.001	ppm	Report	ICP-MS USP <730>

THESE RESULTS APPLY ONLY TO THE SAMPLE SUBMITTED AND NOT TO THE PRODUCT FROM WHICH IT WAS TAKEN. THESE RESULTS ARE PROVIDED ONLY FOR THE BENEFIT OF CLIENT, WITHOUT REPRESENTATION OR WARRANTY OF ANY KIND, EXCEPT FOR THE EXPRESS LIMITED WARRANTY PROVIDED SOLELY TO CLIENT IN ADVANCED LABORATORIES' TERMS OF SERVICE.

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

Results Approved By:

Annakarina Thornock-Quality Tech

Dated:

2/18/2021

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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

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

Test Certificate

Description: PHBO - 750mg CBD 150mg CBN FSH Per 30.00 ml Pure
 Sample ID: 171.00BPRINS559087-S2
 Lot No: 59087
 Location: Sleep Tincture/ 171.00BPRINS59087
 Received: 2/11/2021
 Completed: 2/18/2021

Lab No: 210700-01

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:



Annakarina Thormock-Quality Tech

Dated:

2/18/2021

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