

Gobi Hemp

Analytical Report - Certificate of Analysis



Manifest: 2011100005
Sample Id: 1A-GHEMP-2011100005-0001
Sample Name: 07 soft-gel mix 15L 25mg 1120SG0725
Sample Type: Concentrate
Client Id: CID-00061
Client: Blue Forest Farms
Address: 3771 Monarch Unit A, Erie, CO 80516

Test Performed: Chemistry Lab
Report No: P-2011100005-V2
Receive Date: 2020-11-10
Test Date: 2020-11-13
Report Date: 2020-11-16
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	Percent	mg/gram
CBDV	0.03	0.32
CBDA	3.64	36.43
CBGA	0.16	1.63
CBG	0.03	0.33
CBD	0.80	7.97
THCV	ND	ND
CBN	ND	ND
Δ9-THC	0.11	1.11
CBC	0.08	0.82
THCA	0.08	0.77
CBDVA	0.04	0.36
THCVA	ND	ND
CBNA	ND	ND
Δ8-THC	ND	ND
CBL	ND	ND
CBCA	0.23	2.34

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

	Percent	mg/gram
Total Δ9-THC	0.18	1.79
Total CBD	3.99	39.92
Total Cannabinoids	5.21	52.08

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

Laboratory Comments:

Jon Person Client Relations Manager

2020-11-16

Date

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Gobi Hemp

Analytical Report - Certificate of Analysis



Manifest: 2012170003
Sample Id: 1A-GHEMP-2012170003-0001
Sample Name: 07 soft-gel mix 25mg 1120SG0725
Sample Type: Concentrate
Client Id: CID-00061
Client: Blue Forest Farms
Address: 3771 Monarch Unit A, Erie, CO 80516

Test Performed: Hemp Lab
Report No: R-2012170003-V1
Receive Date: 2020-12-17
Test Date: 2020-12-18
Report Date: 2020-12-21
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:

2020-12-21

Jerry Hogan - Director of Operations

Date

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Gobi Hemp

Pesticide Residues Report - Certificate of Analysis



Manifest: 2012170003
Sample Id: 1A-GHEMP-2012170003-0001
Sample Name: 07 soft-gel mix 25mg 1120SG0725
Sample Type: Concentrate
Client Id: CID-00061
Client: Blue Forest Farms
Address: 3771 Monarch Unit A, Erie, CO 80516

Test Performed: Hemp Lab
Report No: PE-2012170003-V1
Receive Date: 2020-12-17
Test Date: 2020-12-24
Report Date: 2020-12-24
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
Chlorantraniliprole	0.1	NT
Chlordane	0.1	ND
Chlorpyrifos	0.1	ND
Clofentazine	0.1	ND
Coumaphos	0.1	ND
Baythroid (Cyfluthrin)*	0.1	NT
Cypermethrin*	0.1	NT
Dichlorvos	0.1	ND
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
Fipronil	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	NT
Myclobutanil	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:

2020-12-24

Date

Jerry Hogan - Director of Operations

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Gobi Hemp

Analytical Report - Certificate of Analysis



Manifest: 2012170003
Sample Id: 1A-GHEMP-2012170003-0001
Sample Name: 07 soft-gel mix 25mg 1120SG0725
Sample Type: Concentrate
Client Id: CID-00061
Client: Blue Forest Farms
Address: 3771 Monarch Unit A, Erie, CO 80516

Test Performed: Hemp Lab
Intended Use: Inhaled or Audited Product
Report No: MT-2012170003-V1
Receive Date: 2020-12-17
Test Date: 2020-12-18
Report Date: 2020-12-21
Sample Condition: Good
Method Reference: GH-OP-17

Scope

Arsenic, Cadmium, Lead and Mercury were determined by an Inductively Coupled Plasma Mass Spectrometer (ICP-MS) using an in-house developed method.

Metals	Sample Reporting Limit (ppm)	Parts Per Million (ppm)
Arsenic	0.100	ND
Cadmium	0.100	ND
Lead	0.100	ND
Mercury	0.100	ND

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

Laboratory Comments:

2020-12-21

Jerry Hogan - Director of Operations

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Analytical Report - Certificate of Analysis



Manifest: 2012170003
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Sample Name: 07 soft-gel mix 25mg 1120SG0725
Sample Type: Concentrate
Client Id: CID-00061
Client: Blue Forest Farms
Address: 3771 Monarch Unit A, Erie, CO 80516

Test Performed: Hemp Lab
Report No: R-2012170003-V1
Receive Date: 2020-12-17
Test Date: 2020-12-18
Report Date: 2020-12-21
Sample Condition: Good
Method Reference: GH-OP-16

Scope

Ochratoxin and Total Aflatoxin were quantified using liquid chromatography coupled to multiple mass spectrometry (LC-MS/MS) equipped with electrospray ionization (ESI) in positive mode after sample extraction. Identification was based on the retention time of each compound and the product mass generated using single reaction monitoring (SRM). Quantitation was determined using external calibration.

Mycotoxins	Reporting Limits (ppm)	Parts Per Million (ppm)
Aflatoxin G2	0.005	ND
Aflatoxin G1	0.005	ND
Aflatoxin B2	0.005	ND
Aflatoxin B1	0.005	ND
Ochratoxin A	0.020	ND

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

Laboratory Comments:

2020-12-21

Jerry Hogan - Director of Operations

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Manifest: 2012170003
Sample Type: Concentrate
Test Performed: Microbial Lab
Client Id: CID-00061
Client: Blue Forest Farms
Address: 3771 Monarch Unit A, Erie, CO 80516

Report No: M-2012170003-V1
Receive Date: 2020-12-17
Test Date: 2020-12-17
Report Date: 2020-12-24
Sample Condition: Good
Method Reference: MBH-OP-02, MBH-OP-03,
MBH-OP-05 , MBH-OP-10,
MBH-OP-11

Scope

Contaminant testing for the identified pathogens *Salmonella spp.* and *Shiga Toxin Virulence Genes, O26,O45, O103, O111, O121, O145 and O157:H7 serogroups of Escherichia coli (STEC)* was performed through Polymerase Chain Reaction (PCR) presumptive experimentation, and confirmed through cultural methodology where applicable. Results for *Salmonella spp.* and STEC are represented as a negative or positive determination, a negative result indicating no detection of the respective contaminant.

Total Yeast and Mold Count (TYMC)/Total Aerobic Count(TAC)/Total Coliform Count (TCC) were determined through 3M™ Petrifilm™ plating technology. The TYMC/TAC/TCC is represented as a count in colony forming units per gram (cfu/g).

2020-12-24

Jerry Hogan - Director of Operations

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Manifest: 2012170003
Sample Type: Concentrate
Test Performed: Microbial Lab
Client Id: CID-00061
Client: Blue Forest Farms
Address: 3771 Monarch Unit A, Erie, CO 80516

Report No: M-2012170003-V1
Receive Date: 2020-12-17
Test Date: 2020-12-17
Report Date: 2020-12-24
Sample Condition: Good
Method Reference: MBH-OP-02, MBH-OP-03,
 MBH-OP-05, MBH-OP-10,
 MBH-OP-11

Sample Id	Product	Salmonella spp.	STEC	TYMC (cfu/g)	TAC (cfu/g)	TCC (cfu/g)
1A-GHEMP-2012170003-0001	07 soft-gel mix 25mg 1120SG0725	Negative	Negative	<100	<100	<100
1A-GHEMP-2012170003-0002	04 soft-gel mix 25mg 1120SG0425	Negative	Negative	<100	<100	<100

STEC - shiga toxin-producing *Escherichia coli*; TYMC - total yeast and mold count;
 TAC - Total Aerobic Count; TCC - Total Coliform Count

Laboratory Comments:

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