

Gobi Hemp

Analytical Report - Certificate of Analysis



Manifest: 2207130005
Sample Id: 1A-GHEMP-2207130005-0001
Sample Name: 070822-SB1 - 070822-SB1
Sample Type: Concentrate
Client Id: CID-00170
Client: Planetarie LLC
Address: 600 31st Street Suite B, Evans, Colorado 80620

Test Performed: Hemp Lab
Report No: R-2207130005-V4
Receive Date: 2022-07-13
Test Date: 2022-07-13
Report Date: 2022-07-18
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	LOD (ppm)	LOQ (ppm)	Parts Per Million (ppm)
Propane	135	372	ND
Iso-Butane	82	490	ND
N-Butane	107	490	ND
Methanol	38	120	ND
Pentane	73	100	ND
Ethanol	50	200	ND
Acetone	82	200	T
IPA	40	200	ND
Hexane	25	50	ND
Ethyl Acetate	57	200	ND
Benzene	0.65	1	ND
Heptane	137	200	ND
Toluene	75	100	ND
Xylenes	112	200	ND

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

Laboratory Comments:
Acetone estimated at 104.75 ppm.

2022-07-18

Tessa Johnson Laboratory Analyst

Date

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Analytical Report - Certificate of Analysis



Manifest: 2207130005
Sample Id: 1A-GHEMP-2207130005-0001
Sample Name: 070822-SB1 - 070822-SB1
Sample Type: Concentrate
Client Id: CID-00170
Client: Planetarie LLC
Address: 600 31st Street Suite B, Evans, Colorado 80620

Test Performed: Hemp Lab
Intended Use: Inhaled or Audited Product
Report No: MT-2207130005-V1
Receive Date: 2022-07-13
Test Date: 2022-07-15
Report Date: 2022-07-18
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	LOD (ppm)	LOQ (ppm)	Sample Reporting Limit (ppm)	Parts Per Million (ppm)
Arsenic	0.007	0.025	0.500	ND
Cadmium	0.003	0.010	0.100	ND
Lead	0.003	0.010	0.100	ND
Mercury	0.0009	0.003	0.100	ND

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

Laboratory Comments:

Jon Person

Jon Person Client Relations Manager

2022-07-18

Date

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Manifest: 2207130005
Sample Id: 1A-GHEMP-2207130005-0001
Sample Name: 070822-SB1 - 070822-SB1
Sample Type: Concentrate
Client Id: CID-00170
Client: Planetarie LLC
Address: 600 31st Street Suite B, Evans, Colorado 80620

Test Performed: Hemp Lab
Report No: P-2207130005-V2
Receive Date: 2022-07-13
Test Date: 2022-07-18
Report Date: 2022-07-18
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.

Laboratory Comments:

Cannabinoids	Percent	mg/gram
CBDV	ND	ND
CBDA	61.20	612.04
CBGA	1.42	14.16
CBG	ND	ND
CBD	2.37	23.72
THCV	ND	ND
CBN	ND	ND
Δ^9 -THC	ND	ND
CBC	ND	ND
THCA	1.79	17.93
CBDVA	T	T
THCVA	ND	ND
CBNA	ND	ND
Δ^8 -THC	ND	ND
CBL	ND	ND
CBCA	0.81	8.08

ND - not detected; T - trace; LOQ - limit of quantitation; LOD - limit of detection

Jerry Hogan - Director of Operations

2022-07-18

Date

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Manifest: 2207130005
Sample Type: Concentrate
Test Performed: Microbial Lab
Client Id: CID-00170
Client: Planetarie LLC
Address: 600 31st Street Suite B, Evans, Colorado 80620

Report No: M-2207130005-V1
Receive Date: 2022-07-13
Test Date: 2022-07-13
Report Date: 2022-07-19
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).



Jerry Hogan - Director of Operations

2022-07-19

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Manifest: 2207130005
Sample Type: Concentrate
Test Performed: Microbial Lab
Client Id: CID-00170
Client: Planetarie LLC
Address: 600 31st Street Suite B, Evans, Colorado 80620

Report No: M-2207130005-V1
Receive Date: 2022-07-13
Test Date: 2022-07-13
Report Date: 2022-07-19
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-2207130005-0001	070822-SB1 - 070822-SB1	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; NT - Not Tested;

Laboratory Comments:



Jerry Hogan - Director of Operations

2022-07-19

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Gobi Hemp

Pesticide Residues Report - Certificate of Analysis



Manifest: 2207130005
Sample Id: 1A-GHEMP-2207130005-0001
Sample Name: 070822-SB1 - 070822-SB1
Sample Type: Concentrate
Client Id: CID-00170
Client: Planetarie LLC
Address: 600 31st Street Suite B, Evans, Colorado 80620

Test Performed: Hemp Lab
Report No: PE-2207130005-V1
Receive Date: 2022-07-13
Test Date: 2022-07-19
Report Date: 2022-07-20
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
Azoxystrobin	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	ND
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	ND
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	NT
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:

Jon Person Client Relations Manager

2022-07-20

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