

Gobi Hemp

Pesticide Residues Report - Certificate of Analysis



Manifest: 2009140003
Sample Id: 1A-GHEMP-2009140003-0003
Sample Name: Softgel25112030
Sample Type: Concentrate

Test Performed: Chemistry Lab
Report No: PE-2009140003-V1
Receive Date: 2020-09-14
Test Date: 2020-09-16
Report Date: 2020-09-18
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	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	ND
Mevinphos*	0.1	ND
MGK-264	0.1	ND
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:

Dave Wells Laboratory Manager

2020-09-18

Date

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•Gobi Hemp •
• 3940 Youngfield St. Wheat Ridge CO 80033 •
• (720)560-9299 •



Gobi Hemp

Analytical Report - Certificate of Analysis



Manifest: 2009140003
Sample Id: 1A-GHEMP-2009140003-0003
Sample Name: Softgel25112030
Sample Type: Concentrate

Test Performed: Chemistry Lab
Intended Use: Inhaled or Audited Product
Report No: MT-2009140003-V1
Receive Date: 2020-09-14
Test Date: 2020-09-14
Report Date: 2020-09-18
Sample Condition: Good
Method Reference: GH-OP-17

Scope

Arsenic, Cadmium, Lead and Mercury were determined by an Inductive 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:

Jon Person Client Relations Manager

2020-09-18

Date

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



Manifest: 2009140003
Sample Type: Concentrate
Test Performed: Microbial Lab

Report No: M-2009140003-V2
Receive Date: 2020-09-14
Test Date: 2020-09-14
Report Date: 2020-09-17
Sample Condition: Good
Method Reference: MBH-OP-05

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).



Astha Gupta Laboratory Director

2020-09-17

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Manifest: 2009140003
Sample Type: Concentrate
Test Performed: Microbial Lab

Report No: M-2009140003-V2
Receive Date: 2020-09-14
Test Date: 2020-09-14
Report Date: 2020-09-17
Sample Condition: Good
Method Reference: MBH-OP-05

Sample Id	Product	Salmonella spp.	STEC	TYMC (cfu/g)
1A-GHEMP-2009140003-0003	Softgel25112030	NT	NT	<100

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

Laboratory Comments:

NT - Not Tested



Astha Gupta Laboratory Director

2020-09-17

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Analytical Report - Certificate of Analysis



Manifest: 2009140003
Sample Id: 1A-GHEMP-2009140003-0003
Sample Name: Softgel25112030
Sample Type: Concentrate

Test Performed: Chemistry Lab
Report No: R-2009140003-V1
Receive Date: 2020-09-14
Test Date: 2020-09-21
Report Date: 2020-09-22
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:

2020-09-22

Jon Person Client Relations Manager

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Analytical Report - Certificate of Analysis



Manifest: 2009140003
Sample Id: 1A-GHEMP-2009140003-0003
Sample Name: Softgel25112030
Sample Type: Concentrate

Test Performed: Chemistry Lab
Report No: P-2009140003-V2
Receive Date: 2020-09-14
Test Date: 2020-09-15
Report Date: 2020-09-17
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	0.12	1.23
CBDA	0.14	1.36
CBGA	ND	ND
CBG	0.19	1.86
CBD	5.62	56.17
THCV	T	T
CBN	T	T
Δ9-THC	0.19	1.85
CBC	0.16	1.56
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

	Percent	mg/gram
Total Δ9-THC	0.19	1.85
Total CBD	5.74	57.37
Total Cannabinoids	6.40	64.05

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

Laboratory Comments:

Dave Wells Laboratory Manager

2020-09-17

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Sample Type: Concentrate

Test Performed: Chemistry Lab
Report No: R-2009140003-V1
Receive Date: 2020-09-14
Test Date: 2020-09-16
Report Date: 2020-09-17
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

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Laboratory Comments:

Dave Wells Laboratory Manager

2020-09-17

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Terpene Report - Certificate of Analysis



Manifest: 2009140003
Sample Id: 1A-GHEMP-2009140003-0003
Sample Name: Softgel25112030
Sample Type: Concentrate

Test Performed: Chemistry Lab
Report No: T-2009140003-V1
Receive Date: 2020-09-14
Test Date: 2020-09-15
Report Date: 2020-09-18
Sample Condition: Good
Method Reference: GH-OP-14

Total Terpenes	ND
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Terpene	Percent
Alpha-Pinene	ND
Camphene	ND
Beta-Pinene	ND
Beta-Myrcene	ND
Delta-3-Carene	ND
Alpha-Terpinene	ND
Limonene	ND
Alpha-Ocimene	ND
Eucalyptol	ND
Beta-Ocimene	ND
Gamma-Terpinene	ND

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

Terpene	Percent
Terpinolene	ND
Linalool	ND
(-)-Isopulegol	ND
Geraniol	ND
Beta-Caryophyllene	ND
Alpha-Humulene	ND
cis-Nerolidol	ND
trans-Nerolidol	ND
(-)-Guaiol	ND
(-)-Caryophyllene Oxide	ND
Alpha-Bisabolol	ND

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Jon Person Client Relations Manager

2020-09-18

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