

Gobi Labs

Analytical Report



Manifest: 0008554764
METRC ID: 1A400090001F97B000000050
Sample Name: CBD Isolate-2134-PM-CBDI
Sample Type: Concentrate
License: CID-00220
Licensee: Materia
Facility Address: 1800 Glenarm Pl, STE 701, Denver, CO 80202

Test Performed: Potency
Report No: P-8554764-V1
Receive Date: 2022-10-06
Test Date: 2022-10-07
Report Date: 2022-10-10
Sample Condition: Good
Method Reference: GA-OP-06

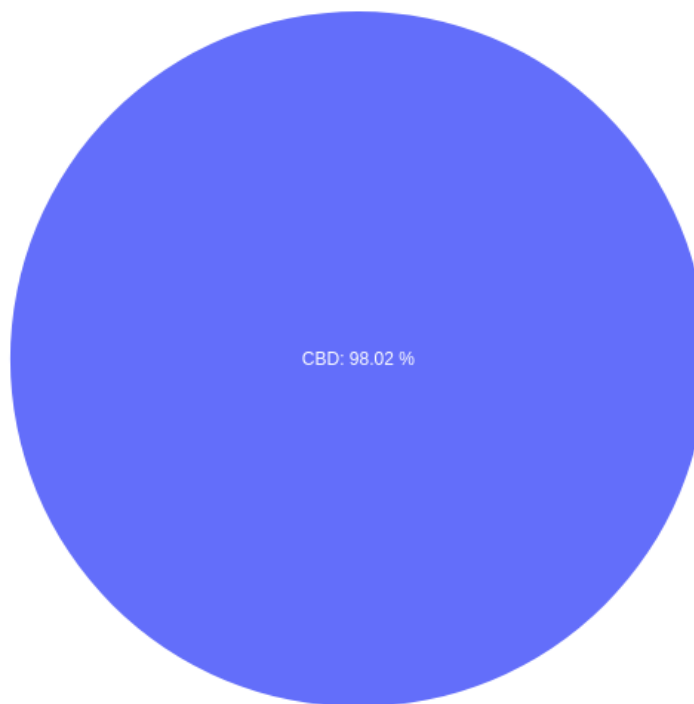
Scope: The content of 21 cannabinoids was determined by an in-house developed method certified by CDPHE for solvent extraction followed by High Performance Liquid Chromatography with Diode Array Detection.

	percent	mg/g
Total THC	NC	NC
Total Cannabinoids	98.02	980.18
Total THC:CBD Ratio	NA	

Total CBD = CBD + (CBDA x 0.877)

Total THC = Δ^9 THC + EXO-THC + Δ^8 THC + Δ^{10} THC + (THCA x 0.877)

Cannabinoids	percent	mg/g
CBDVA	ND	ND
CBDV	ND	ND
CBDA	ND	ND
CBGA	ND	ND
CBG	ND	ND
CBD	98.02	980.18
THCV	ND	ND
THCVA	ND	ND
CBN	ND	ND
CBNA	ND	ND
EXO-THC	ND	ND
Δ^9 THC	ND	ND
Δ^8 THC	ND	ND
Δ^{10} -S THC	ND	ND
CBL	ND	ND
Δ^{10} -R THC	ND	ND
CBC	ND	ND
Δ^9 THCA	ND	ND
CBCA	ND	ND
CBLA	ND	ND
CBT	ND	ND



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

Lab Comments:

Kristen Kenworthy -Laboratory Operations Manager

2022-10-10

Date



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PJLA
 Testing
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Gobi Labs Analytical Report



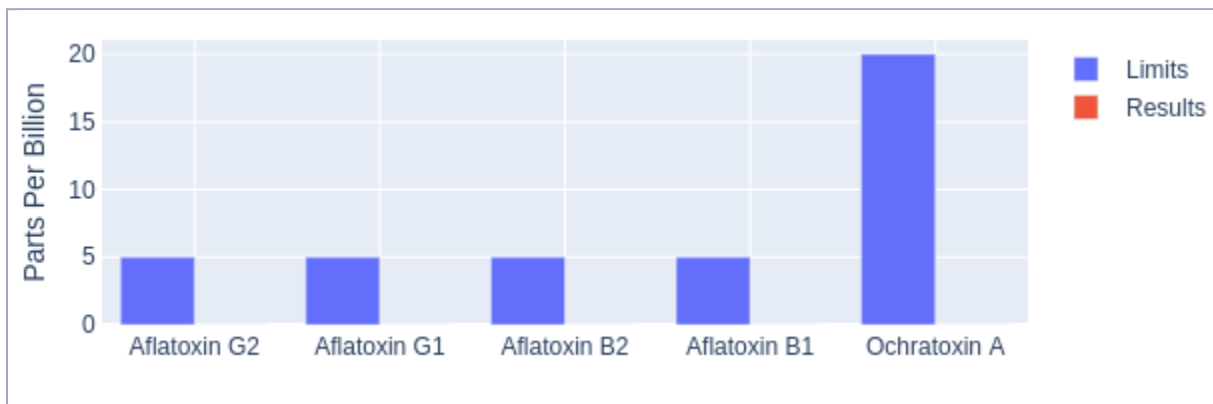
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Sample Name: CBD Isolate-2134-PM-CBDI
Sample Type: Concentrate
License: CID-00220
Licensee: Materia
Facility Address: 1800 Glenarm Pl, STE 701, Denver, CO 80202

Test Performed: Mycotoxin
Report No: R-8554764-V1
Receive Date: 2022-10-06
Test Date: 2022-10-07
Report Date: 2022-10-11
Sample Condition: Good
Method Reference: GA-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	Regulatory Limits (ppb)	Parts Per Billion (ppb)
Aflatoxin G2	5 ppb	ND
Aflatoxin G1	5 ppb	ND
Aflatoxin B2	5 ppb	ND
Aflatoxin B1	5 ppb	ND
Ochratoxin A	20 ppb	ND

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



Lab Comments:

Alex Banuelos

Alex Banuelos Laboratory Supervisor

2022-10-11

Date



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Microbial Contaminant Report



Manifest: 0008554764
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Sample Name: CBD Isolate-2134-PM-CBDI
Sample Type: Concentrate
License: CID-00220
Licensee: Materia
Facility Address: 1800 Glenarm Pl, STE 701, Denver, CO 80202

Test Performed: Microbial Contaminants
Report No: M-8554764-V1
Receive Date: 2022-10-06
Test Date: 2022-10-06
Report Date: 2022-10-10
Sample Condition: Good
Method Reference: MB-OP-02, MB-OP-03, MB-OP-05, MB-OP-12

Scope:
 Contaminant testing for the identified pathogens *Aspergillus (flavus, fumigatus, niger and terreus)* *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, and confirmed through qPCR and/or cultural methodology where applicable. Total Yeast and Mold Count (TYMC) was determined through 3M™ Petrifilm™ Rapid Yeast and Mold plating technology.

Microbial Contaminants	Results	Regulatory Limits
STEC	ND	Absent in 1 g
<i>Salmonella spp.</i>	ND	Absent in 1 g
<i>Aspergillus flavus</i>	ND	Absent in 1 g
<i>Aspergillus fumigatus</i>	ND	Absent in 1 g
<i>Aspergillus niger</i>	ND	Absent in 1 g
<i>Aspergillus terreus</i>	ND	Absent in 1 g
Total Yeast and Mold	<100 CFU/g	< 10,000 CFU per 1 ml or 1 g

STEC - shiga toxin-producing *Escherichia coli*; CFU - Colony Forming Unit; NT - Not Tested; NS - Not Significant; ND - Not Detected

Lab Comments:

Astha Gupta, Laboratory Director

2022-10-10

Date



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Gobi Labs

Pesticide Residues Report



Manifest: 0008554764
METRC ID: 1A400090001F97B000000050
Sample Name: CBD Isolate-2134-PM-CBDI
Sample Type: Concentrate
License: CID-00220
Licensee: Materia
Facility Address: 1800 Glenarm Pl, STE 701, Denver, CO 80202

Test Performed: Pesticide
Report No: PE-8554764-V1
Receive Date: 2022-10-06
Test Date: 2022-10-07
Report Date: 2022-10-10
Sample Condition: Good
Method Reference: GA-OP-11

Scope: The content of 13 pesticides were quantified using liquid chromatography coupled to multiple mass spectrometry (LC-MS2) equipped with electrospray ionization (ESI) in positive mode after sample extraction and clean up using QuEChERS methodology based on AOAC 2007 and EN 15662 standard procedures certified by CDPHE. 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.

Pesticides	Regulatory Limit (ppm)	Sample Reporting Limit (ppm)*	Parts Per Million (ppm)**
Abamectin	0.070	0.070	ND
Azoxystrobin	0.020	0.005	ND
Bifenazate	0.020	0.005	ND
Etoxazole	0.010	0.005	ND
Imazalil	0.040	0.005	ND
Imidacloprid	0.020	0.005	ND
Malathion	0.050	0.030	ND
Myclobutanil	0.040	0.010	ND
Permethrin	0.040	0.020	ND
Spinosad	0.060	0.010	ND
Spiromesifen	0.030	0.005	ND
Spirotetramat	0.020	0.010	ND
Tebuconazole	0.010	0.010	ND

*or Lower Limit of Quantitation (LLOQ). **T (Trace) = sample result is between LLOQ and Method Detection Limit (MDL). ND (Not Detected) = sample result is below MDL. >HLOQ = sample result is above Higher LOQ.

Lab Comments:

Kristen Kenworthy -Laboratory Operations Manager

2022-10-10

Date



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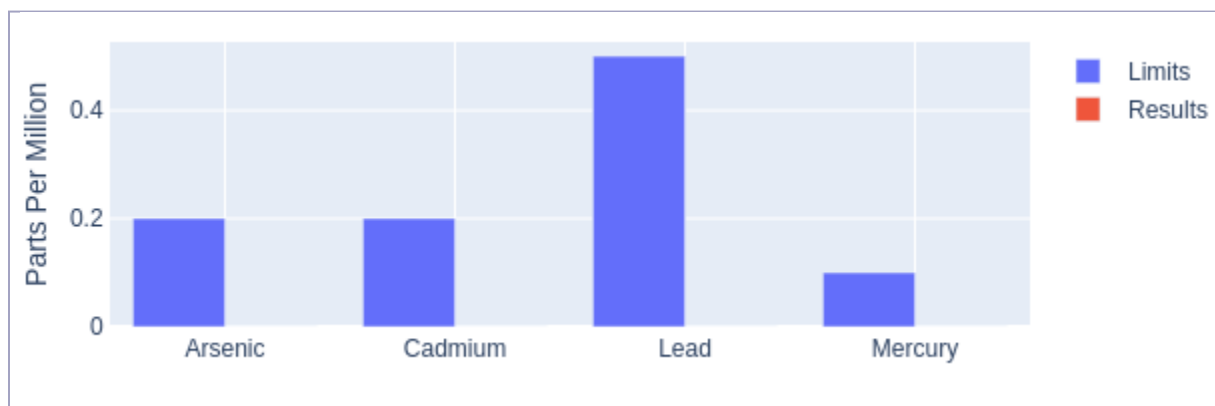
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Sample Type: Concentrate
License: CID-00220
Licensee: Materia
Facility Address: 1800 Glenarm Pl, STE 701, Denver, CO 80202

Test Performed: Elemental Impurities
Intended Use: Inhaled or Audited Product
Report No: MT-8554764-V1
Receive Date: 2022-10-06
Test Date: 2022-10-08
Report Date: 2022-10-08
Sample Condition: Good
Method Reference: GA-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.

Elemental Impurities	Regulatory Limits (ppm)	Parts Per Million (ppm)
Arsenic	< 0.2 ppm	ND
Cadmium	< 0.2 ppm	ND
Lead	< 0.5 ppm	ND
Mercury	< 0.1 ppm	ND

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



Lab Comments:

Kristen Kenworthy -Laboratory Operations Manager

2022-10-08

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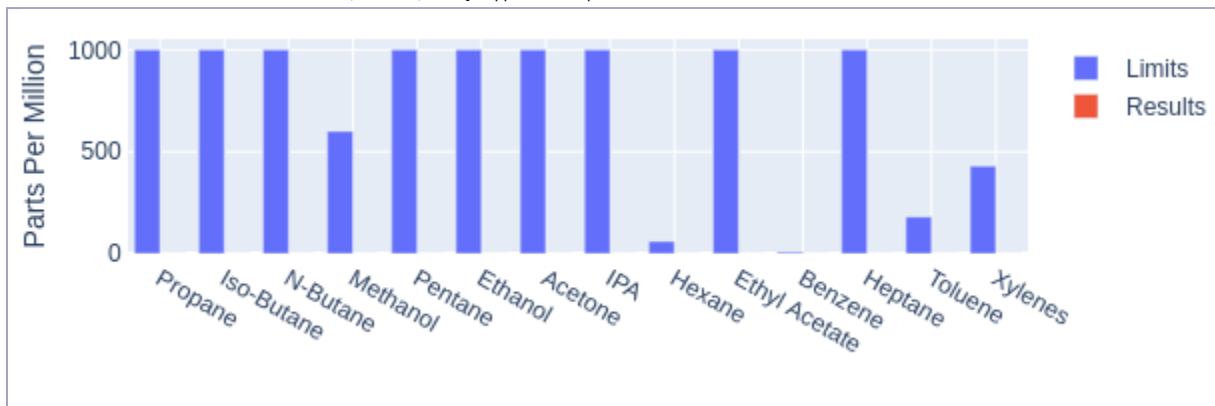
Test Performed: Residual Solvent
Report No: R-8554764-V1
Receive Date: 2022-10-06
Test Date: 2022-10-07
Report Date: 2022-10-10
Sample Condition: Good
Method Reference: GA-OP-08

Facility Address: 1800 Glenarm Pl, STE 701, Denver, CO 80202

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

Solvents	Regulatory Limits (ppm)	Parts Per Million (ppm)
Propane	<1000	ND
Iso-Butane	Total Butanes <1000	ND
N-Butane	Total Butanes <1000	ND
Methanol	<600	ND
Pentane	<1000	ND
Ethanol	<1000	ND
Acetone	<1000	ND
IPA	<1000	ND
Hexane	<60	ND
Ethyl Acetate	<1000	ND
Benzene	<2	ND
Heptane	<1000	ND
Toluene	<180	ND
Xylenes	<430	ND

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Lab Comments:

Kristen Kenworthy -Laboratory Operations Manager

2022-10-10

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