

SAMPLE NAME: 6000mg Mixed Berry Calm Gummies 60ct

Infused, Solid Edible

CULTIVATOR / MANUFACTURER
Business Name:
License Number:
Address:
DISTRIBUTOR / TESTED FOR
Business Name: cbdMD

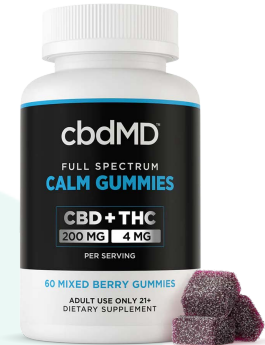
License Number:
Address:
SAMPLE DETAIL
Batch Number: 91528

Sample ID: 230312L001

Date Collected: 03/12/2023

Date Received: 03/12/2023

Batch Size:
Sample Size: 1.0 units

Unit Mass:
Serving Size: 6.4 grams per Serving


Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY
Total THC: 0.800 mg/g

Total CBD: 35.026 mg/g

Sum of Cannabinoids: 36.086 mg/g

Total Cannabinoids: 36.086 mg/g

Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step:

$$\text{Total THC} = \Delta^9\text{-THC} + (\text{THCa} (0.877))$$

$$\text{Total CBD} = \text{CBD} + (\text{CBDa} (0.877))$$

$$\text{Sum of Cannabinoids} = \Delta^9\text{-THC} + \text{THCa} + \text{CBD} + \text{CBDa} + \text{CBG} + \text{CBGa} + \text{THCV} + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$$

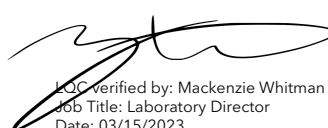
$$\text{Total Cannabinoids} = (\Delta^9\text{-THC} + 0.877 \cdot \text{THCa}) + (\text{CBD} + 0.877 \cdot \text{CBDa}) + (\text{CBG} + 0.877 \cdot \text{CBGa}) + (\text{THCV} + 0.877 \cdot \text{THCVa}) + (\text{CBC} + 0.877 \cdot \text{CBCa}) + (\text{CBDV} + 0.877 \cdot \text{CBDVa}) + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$$
SAFETY ANALYSIS - SUMMARY
 $\Delta^9\text{-THC}$ per Serving: ✔ PASS

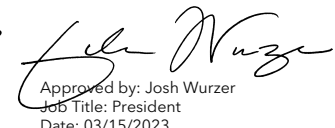
For quality assurance purposes. Not a Regulatory Hemp Lab Test Report. These results relate only to the sample included on this report. This report shall not be reproduced, except in full, without written approval of the laboratory.

Sample Certification: California Code of Regulations Title 4 Division 19. Department of Cannabis Control Business and Professions Code. Reference: Sections 26100, 26104 and 26110, Business and Professions Code.

Decision Rule: Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications.

References: limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT)


 LOQ verified by: Mackenzie Whitman
 Job Title: Laboratory Director
 Date: 03/15/2023


 Approved by: Josh Wurzer
 Job Title: President
 Date: 03/15/2023



Cannabinoid Analysis

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

Method: QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

TOTAL THC: 0.800 mg/g

Total THC (Δ^9 -THC+0.877*THCa)

TOTAL CBD: 35.026 mg/g

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 36.086 mg/g

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + Δ^8 -THC + CBL + CBN

TOTAL CBG: 0.037 mg/g

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: ND

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 0.197 mg/g

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 03/14/2023

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBD	0.004 / 0.011	±1.3065	35.026	3.5026
Δ^9 -THC	0.002 / 0.014	±0.0439	0.800	0.0800
CBDV	0.002 / 0.012	±0.0080	0.197	0.0197
CBG	0.002 / 0.006	±0.0018	0.037	0.0037
CBN	0.001 / 0.007	±0.0007	0.026	0.0026
Δ^8 -THC	0.01 / 0.02	N/A	ND	ND
THCa	0.001 / 0.005	N/A	ND	ND
THCV	0.002 / 0.012	N/A	ND	ND
THCVa	0.002 / 0.019	N/A	ND	ND
CBDa	0.001 / 0.026	N/A	ND	ND
CBDVa	0.001 / 0.018	N/A	ND	ND
CBGa	0.002 / 0.007	N/A	ND	ND
CBL	0.003 / 0.010	N/A	ND	ND
CBC	0.003 / 0.010	N/A	ND	ND
CBCa	0.001 / 0.015	N/A	ND	ND
SUM OF CANNABINOIDS			36.086 mg/g	3.6086%

Serving Size: 6.4 grams per Serving

Δ^9 -THC per Serving	5.120 mg/serving	PASS
Total THC per Serving	5.120 mg/serving	
CBD per Serving	224.166 mg/serving	
Total CBD per Serving	224.166 mg/serving	
Sum of Cannabinoids per Serving	230.950 mg/serving	
Total Cannabinoids per Serving	230.950 mg/serving	

SAMPLE NAME: 6000mg Mixed Berry Calm Gummies 60ct

Infused, Solid Edible

CULTIVATOR / MANUFACTURER

Business Name:

License Number:

Address:

DISTRIBUTOR / TESTED FOR

Business Name: cbdMD

License Number:

Address:

SAMPLE DETAIL

Batch Number: 91528

Sample ID: 230222N010

Date Collected: 02/22/2023

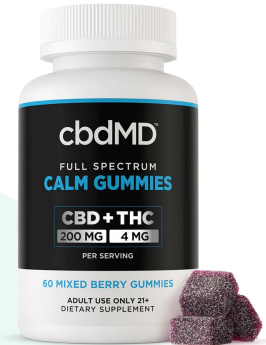


Date Received: 02/22/2023

Batch Size:

Sample Size: 1.0 units

Unit Mass: 6.4 grams per Unit

Serving Size: 6.4 grams per Serving

Scan QR code to verify
authenticity of results.**SAFETY ANALYSIS - SUMMARY**Pesticides:  **PASS**Mycotoxins:  **PASS**Residual Solvents:  **PASS**Heavy Metals:  **PASS**Foreign Material:  **PASS**Water Activity:  **PASS**

For quality assurance purposes. Not a Regulatory Hemp Lab Test Report. These results relate only to the sample included on this report. This report shall not be reproduced, except in full, without written approval of the laboratory.

Sample Certification: California Code of Regulations Title 4 Division 19. Department of Cannabis Control Business and Professions Code. Reference: Sections 26100, 26104 and 26110, Business and Professions Code.

Decision Rule: Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications.

References: limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT)



Approved by: Josh Wurzer
Job Title: Chief Compliance Officer
Date: 03/15/2023



Pesticide Analysis

PESTICIDE TEST RESULTS - 02/24/2023 ✔ PASS

Pesticide and plant growth regulator analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS) or gas chromatography-mass spectrometry (GC-MS).

*GC-MS utilized where indicated.

Method: LA-SOP-301 Pesticides & Mycotoxins Analysis by LC-MS or LA-SOP-302 Pesticides Analysis by GC-MS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Abamectin	0.0257 / 0.0857	0.3	N/A	ND	PASS
Acephate	0.0272 / 0.0908	5	N/A	ND	PASS
Acequinocyl	0.0230 / 0.0780	4	N/A	ND	PASS
Acetamiprid	0.0100 / 0.0350	5	N/A	ND	PASS
Aldicarb	0.0241 / 0.0804	≥ LOD	N/A	ND	PASS
Azoxystrobin	0.0160 / 0.0530	40	N/A	ND	PASS
Bifenazate	0.0241 / 0.0805	5	N/A	ND	PASS
Bifenthrin	0.1990 / 0.6640	0.5	N/A	ND	PASS
Boscalid	0.0240 / 0.0800	10	N/A	ND	PASS
Captan*	0.1200 / 0.4000	5	N/A	ND	PASS
Carbaryl	0.0350 / 0.1170	0.5	N/A	ND	PASS
Carbofuran	0.0252 / 0.0839	≥ LOD	N/A	ND	PASS
Chlorantraniliprole	0.0260 / 0.0880	40	N/A	ND	PASS
Chlordane*	0.0267 / 0.0890	≥ LOD	N/A	ND	PASS
Chlorfenapyr*	0.0130 / 0.0430	≥ LOD	N/A	ND	PASS
Chlorpyrifos	0.0107 / 0.0355	≥ LOD	N/A	ND	PASS
Clofentezine	0.0215 / 0.0717	0.5	N/A	ND	PASS
Coumaphos	0.0260 / 0.0860	≥ LOD	N/A	ND	PASS
Cyfluthrin	0.1720 / 0.5740	1	N/A	ND	PASS
Cypermethrin	0.0410 / 0.1380	1	N/A	ND	PASS
Daminozide	0.0254 / 0.0846	≥ LOD	N/A	ND	PASS
Diazinon	0.0210 / 0.0690	0.2	N/A	ND	PASS
Dichlorvos (DDVP)	0.0070 / 0.0240	≥ LOD	N/A	ND	PASS
Dimethoate	0.0183 / 0.0611	≥ LOD	N/A	ND	PASS
Dimethomorph	0.0630 / 0.2090	20	N/A	ND	PASS
Ethoprophos	0.0280 / 0.0930	≥ LOD	N/A	ND	PASS
Etofenprox	0.0261 / 0.0870	≥ LOD	N/A	ND	PASS
Etoxazole	0.0290 / 0.0970	1.5	N/A	ND	PASS
Fenhexamid	0.0140 / 0.0460	10	N/A	ND	PASS
Fenoxycarb	0.0280 / 0.0920	≥ LOD	N/A	ND	PASS
Fenpyroximate	0.0080 / 0.0250	2	N/A	ND	PASS
Fipronil	0.0157 / 0.0520	≥ LOD	N/A	ND	PASS
Flonicamid	0.0120 / 0.0390	2	N/A	ND	PASS
Fludioxonil	0.0270 / 0.0910	30	N/A	ND	PASS
Hexythiazox	0.0151 / 0.0500	2	N/A	ND	PASS
Imazalil	0.0284 / 0.0950	≥ LOD	N/A	ND	PASS
Imidacloprid	0.0397 / 0.1320	3	N/A	ND	PASS
Kresoxim-methyl	0.0270 / 0.0910	1	N/A	ND	PASS
Malathion	0.1270 / 0.4240	5	N/A	ND	PASS
Metalaxyl	0.0570 / 0.1910	15	N/A	ND	PASS
Methiocarb	0.0080 / 0.0280	≥ LOD	N/A	ND	PASS

Continued on next page



Pesticide Analysis *Continued*

PESTICIDE TEST RESULTS - 02/24/2023 *continued* ✔ PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Methomyl	0.0120 / 0.0420	0.1	N/A	ND	PASS
Mevinphos	0.0176 / 0.0590	≥ LOD	N/A	ND	PASS
Myclobutanil	0.0183 / 0.0610	9	N/A	ND	PASS
Naled	0.0160 / 0.0540	0.5	N/A	ND	PASS
Oxamyl	0.0380 / 0.1250	0.2	N/A	ND	PASS
Paclobutrazol	0.0268 / 0.0890	≥ LOD	N/A	ND	PASS
Parathion-methyl*	0.0229 / 0.0760	≥ LOD	N/A	ND	PASS
Pentachloronitrobenzene*	0.0261 / 0.0870	0.2	N/A	ND	PASS
Permethrin	0.0280 / 0.0940	20	N/A	ND	PASS
Phosmet	0.0280 / 0.0950	0.2	N/A	ND	PASS
Piperonyl Butoxide	0.0380 / 0.1260	8	N/A	ND	PASS
Prallethrin	0.0250 / 0.0850	0.4	N/A	ND	PASS
Propiconazole	0.0268 / 0.0890	20	N/A	ND	PASS
Propoxur	0.0215 / 0.0720	≥ LOD	N/A	ND	PASS
Pyrethrins	0.0300 / 0.1020	1	N/A	ND	PASS
Pyridaben	0.0228 / 0.0760	3	N/A	ND	PASS
Spinetoram	0.0180 / 0.0620	3	N/A	ND	PASS
Spinosad	0.0280 / 0.0940	3	N/A	ND	PASS
Spiromesifen	0.0297 / 0.0990	12	N/A	ND	PASS
Spirotetramat	0.0110 / 0.0350	13	N/A	ND	PASS
Spiroxamine	0.0073 / 0.0240	≥ LOD	N/A	ND	PASS
Tebuconazole	0.0197 / 0.0660	2	N/A	ND	PASS
Thiacloprid	0.0211 / 0.0700	≥ LOD	N/A	ND	PASS
Thiamethoxam	0.0340 / 0.1130	4.5	N/A	ND	PASS
Trifloxystrobin	0.0290 / 0.0970	30	N/A	ND	PASS



Mycotoxin Analysis

MYCOTOXIN TEST RESULTS - 02/24/2023 ✔ PASS

Mycotoxin analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS).

Method: LA-SOP-301 Pesticides & Mycotoxins Analysis by LC-MS

COMPOUND	LOD/LOQ (µg/kg)	ACTION LIMIT (µg/kg)	MEASUREMENT UNCERTAINTY (µg/kg)	RESULT (µg/kg)	RESULT
Aflatoxin B1	0.7575 / 2.5249		N/A	ND	
Aflatoxin B2	0.8260 / 2.7530		N/A	ND	
Aflatoxin G1	0.7380 / 2.4590		N/A	ND	
Aflatoxin G2	1.6030 / 5.3440		N/A	ND	
Total Aflatoxin		20		ND	PASS
Ochratoxin A	5.9420 / 19.8060	20	N/A	ND	PASS



Residual Solvents Analysis

Residual Solvent analysis utilizing gas chromatography-mass spectrometry (GC-MS).

Method: LA-SOP-202 Solvent Analysis by GC-MS

RESIDUAL SOLVENTS TEST RESULTS - 02/24/2023

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Propane	42.44 / 141.57	5000	N/A	ND	PASS
n-Butane	35.32 / 117.80	5000	N/A	ND	PASS
n-Pentane	28.08 / 93.67	5000	N/A	ND	PASS
n-Hexane	33.99 / 113.37	290	N/A	ND	PASS
n-Heptane	42.11 / 140.48	5000	N/A	ND	PASS
Benzene	0.09 / 1.00	1	N/A	ND	PASS
Toluene	23.99 / 80.03	890	N/A	ND	PASS
Total Xylenes	65.49 / 218.45	2170	N/A	ND	PASS
Methanol	149.00 / 497.01	3000	N/A	ND	PASS
Ethanol	14.96 / 50.00	5000	N/A	<LOQ	PASS
2-Propanol (Isopropyl Alcohol)	19.79 / 66.02	5000	N/A	ND	PASS
Acetone	9.19 / 50.00	5000	N/A	ND	PASS
Ethyl Ether	16.00 / 53.36	5000	N/A	ND	PASS
Ethylene Oxide	0.30 / 1.00	1	N/A	ND	PASS
Ethyl Acetate	12.80 / 50.00	5000	N/A	ND	PASS
Chloroform	0.21 / 1.00	1	N/A	ND	PASS
Dichloromethane (Methylene Chloride)	0.11 / 1.00	1	N/A	ND	PASS
Trichloroethylene	0.06 / 1.00	1	N/A	ND	PASS
1,2-Dichloroethane	0.08 / 1.00	1	N/A	ND	PASS
Acetonitrile	17.49 / 58.35	410	N/A	ND	PASS

Heavy Metals Analysis

Heavy metal analysis utilizing inductively coupled plasma-mass spectrometry (ICP-MS).

Method: LA-SOP-502 Heavy Metals Analysis by ICP-MS

HEAVY METALS TEST RESULTS - 02/27/2023

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Arsenic	0.006 / 0.05	1.5	N/A	<LOQ	PASS
Cadmium	0.003 / 0.05	0.5	N/A	ND	PASS
Lead	0.010 / 0.05	0.5	N/A	<LOQ	PASS
Mercury	0.003 / 0.05	3	N/A	<LOQ	PASS

Foreign Material Analysis

Visual analysis includes, but is not limited to, sand, soil, cinders, dirt, mold, hair, insect fragments, and mammalian excreta.

Method: LA-SOP-600 Foreign Material

FOREIGN MATERIAL TEST RESULTS - 02/24/2023

COMPOUND	ACTION LIMIT	RESULT
Total Sample Area Covered by Sand, Soil, Cinders, or Dirt	>25%	PASS
Total Sample Area Covered by Mold	>25%	PASS
Total Sample Area Covered by an Imbedded Foreign Material	>25%	PASS
Insect Fragment Count	> 1 per 3 grams	PASS
Hair Count	> 1 per 3 grams	PASS
Mammalian Excreta Count	> 1 per 3 grams	PASS



Water Activity Analysis

WATER ACTIVITY TEST RESULTS - 02/27/2023 ✔ PASS

Method: LA-SOP-102 Water Activity Analysis

COMPOUND	LOD/LOQ (Aw)	ACTION LIMIT (Aw)	MEASUREMENT UNCERTAINTY (Aw)	RESULT (Aw)	RESULT
Water Activity		0.85		0.609	PASS

NOTES

CoA Amended Update: Unit Mass



SAMPLE NAME: 6000mg Mixed Berry Calm Gummies 60ct

Infused, Solid Edible

CULTIVATOR / MANUFACTURER

Business Name:

License Number:

Address:

DISTRIBUTOR / TESTED FOR

Business Name: cbdMD

License Number:

Address:

SAMPLE DETAIL

Batch Number: 91528

Sample ID: 230307Q003

Date Collected: 03/07/2023

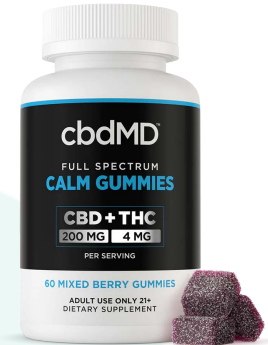
Date Received: 03/07/2023

Batch Size:

Sample Size: 1.0 units

Unit Mass:

Serving Size:


Scan QR code to verify
authenticity of results.**SAFETY ANALYSIS - SUMMARY**Microbiology (PCR):  **PASS**Microbiology (Plating): **ND**

For quality assurance purposes. Not a Regulatory Hemp Lab Test Report. These results relate only to the sample included on this report. This report shall not be reproduced, except in full, without written approval of the laboratory.


Sample Certification: California Code of Regulations Title 4 Division 19. Department of Cannabis Control Business and Professions Code. Reference: Sections 26100, 26104 and 26110, Business and Professions Code.

Decision Rule: Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications.

References: limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT), too numerous to count >250 cfu/plate (TNTC), colony-forming unit (cfu)



LQC verified by: Kelsey Cochran
Job Title: Laboratory Technician I
Date: 03/14/2023



Approved by: Josh Wurzer
Job Title: President
Date: 03/14/2023



Microbiology Analysis

PCR AND PLATING

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbiological contaminants.

Method: QSP 1221 - Analysis of Microbiological Contaminants

Analysis conducted by 3M™ Petrifilm™ and plate counts of microbiological contaminants.

Method: QSP 6794 - Plating with 3M™ Petrifilm™

MICROBIOLOGY TEST RESULTS (PCR) - 03/14/2023 ✔ PASS

COMPOUND	ACTION LIMIT	RESULT	RESULT
Shiga toxin-producing <i>Escherichia coli</i>	Not Detected in 1g	ND	PASS
<i>Salmonella</i> spp.	Not Detected in 1g	ND	PASS
<i>Listeria monocytogenes</i>		ND	

MICROBIOLOGY TEST RESULTS (PLATING) - 03/14/2023 ND

COMPOUND	RESULT (cfu/g)
Total Aerobic Bacteria	ND
Total Yeast and Mold	ND
Coliforms	ND