

**SAMPLE NAME: Calm Capsule**

Infused, Solid Edible

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

**License Number:**
**Address:**
**SAMPLE DETAIL**
**Batch Number:** D4FF7

**Sample ID:** 230214N002

**Date Collected:** 02/14/2023

**Date Received:** 02/14/2023

**Batch Size:**
**Sample Size:** 1.0 units

**Unit Mass:**
**Serving Size:** 1.45 grams per Serving


Scan QR code to verify authenticity of results.

**CANNABINOID ANALYSIS - SUMMARY**
**Total THC:** **Not Detected**
**Total CBD:** **21.985 mg/g**
**Sum of Cannabinoids:** **27.940 mg/g**
**Total Cannabinoids:** **27.940 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:

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

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

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

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

$$(\text{CBG} + 0.877 * \text{CBGa}) + (\text{THCV} + 0.877 * \text{THCVa}) + (\text{CBC} + 0.877 * \text{CBCa}) +$$

$$(\text{CBDV} + 0.877 * \text{CBDVa}) + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$$
**SAFETY ANALYSIS - SUMMARY**
 $\Delta^9$ -THC per Serving: **✓PASS**

 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)

LQC verified by: *Juan Romero-Cortez*  
 Job Title: Laboratory Technician II  
 Date: 02/17/2023

Approved by: *Josh Wurzer*  
 Job Title: President  
 Date: 02/17/2023



## 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: **Not Detected**

Total THC ( $\Delta^9$ -THC+0.877\*THCa)

### TOTAL CBD: **21.985 mg/g**

Total CBD (CBD+0.877\*CBDA)

### TOTAL CANNABINOIDS: **27.940 mg/g**

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCv) + (Total CBC) + (Total CBDV) +  $\Delta^8$ -THC + CBL + CBN

### TOTAL CBG: **5.500 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: **0.064 mg/g**

Total CBDV (CBDV+0.877\*CBDVa)

## CANNABINOID TEST RESULTS - 02/15/2023

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBD	0.004 / 0.011	±0.8200	21.985	2.1985
CBG	0.002 / 0.006	±0.2668	5.500	0.5500
CBN	0.001 / 0.007	±0.0112	0.391	0.0391
CBDV	0.002 / 0.012	±0.0026	0.064	0.0064
$\Delta^9$ -THC	0.002 / 0.014	N/A	ND	ND
$\Delta^8$ -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
<b>SUM OF CANNABINOIDS</b>			<b>27.940 mg/g</b>	<b>2.794%</b>

## Serving Size: 1.45 grams per Serving

$\Delta^9$ -THC per Serving	ND	PASS
Total THC per Serving	ND	
CBD per Serving	31.878 mg/serving	
Total CBD per Serving	31.878 mg/serving	
Sum of Cannabinoids per Serving	40.513 mg/serving	
Total Cannabinoids per Serving	40.513 mg/serving	

## Pesticide Analysis

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:** QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS or QSP 1213 - Analysis of Pesticides by GC-MS

## PESTICIDE TEST RESULTS - 02/17/2023 PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Abamectin	0.03 / 0.10	0.3	N/A	ND	PASS
Acephate	0.02 / 0.07	5	N/A	ND	PASS
Acequinocyl	0.02 / 0.07	4	N/A	ND	PASS
Acetamiprid	0.02 / 0.05	5	N/A	ND	PASS
Aldicarb	0.03 / 0.08	≥ LOD	N/A	ND	PASS
Azoxystrobin	0.02 / 0.07	40	N/A	ND	PASS
Bifenazate	0.01 / 0.04	5	N/A	ND	PASS
Bifenthrin	0.02 / 0.05	0.5	N/A	ND	PASS
Boscalid	0.03 / 0.09	10	N/A	ND	PASS
Captan	0.19 / 0.57	5	N/A	ND	PASS
Carbaryl	0.02 / 0.06	0.5	N/A	ND	PASS

Continued on next page

## Calm Capsule cbdMD : PB205-A

Identifier	<input type="checkbox"/> D4FF7	Batch Status	Released
Date Of Manufacturing	01/17/2023	BOM Version	<input type="checkbox"/> 1.1
Planned Quantity	47.89 kg	Resource	Resource
Date Of Expiration	2/28/2025	Scheduled By	Gentry



RECORD # 43871

Note cbdMD Calm Capsule

### Produced Quantity

48.25 kg

Barcode	Identifier	Date	LPN	Original Quantity
<input type="checkbox"/> D4FF7-001	D4FF7-001	2/13/23 11:44 am		25 kg
<input type="checkbox"/> D4FF7-002	D4FF7-002	2/13/23 11:44 am		23 kg

### Transacted Parts

Part	Identifier	Quantity	Actual / Target	Transacted By
CSM210 cbdMD CBD Isolate	902-J FE3DC-001	300.00g		Jennifer Davies 1/17/23 10:02 am
CSM210 cbdMD CBD Isolate	902-J FE3DC-003	306.00g		Jennifer Davies 1/17/23 10:03 am
CSM210 cbdMD CBD Isolate	902-J FE3DC-002	271.00g		Jennifer Davies 1/17/23 10:07 am
CSM210 cbdMD CBD Isolate	902-J FE3DC-002	10.00g		Jennifer Davies 2/13/23 10:53 am
			887.00 / 877.80	
RM027 Passion Flower 4:1	2200601 34DF5-001	500.00g		Jennifer Davies 1/17/23 9:26 am
RM027 Passion Flower 4:1	2108006 3631E-001	455.00g		Jennifer Davies 1/17/23 9:28 am
RM027 Passion Flower 4:1	2200601 665C8-001	860.00g		Jennifer Davies 1/17/23 1:35 pm
			1,815.00 / 1,815.00	
RM564 SaffSerene	T220927 9C4EC-001	557.00g		Jennifer Davies 2/13/23 10:51 am
RM564 SaffSerene	T-AL-260523-TR 48FD8-006	532.00g		Jennifer Davies 2/13/23 10:52 am
			1,089.00 / 1,089.00	
RM408 Silicon Dioxide	311122811 5BEFC-001	462.00g		Jennifer Davies 1/17/23 9:53 am
			462.00 / 462.00	
RM409 Rice Flour (White)	LGRF-450-GG 603D1-002	5,082.00g		Jennifer Davies 1/17/23 9:09 am
			5,082.00 / 5,082.01	
RM044 Magnesium stearate	C143062 2CA12-005	462.00g		Jennifer Davies 1/17/23 9:53 am
			462.00 / 462.00	
CSM211 cbdMD CBG Isolate	549-G.3 DF114-001	217.00g		Jennifer Davies 1/17/23 10:11 am
CSM211 cbdMD CBG Isolate	549-G.3 DF114-001	10.00g		Jennifer Davies 2/13/23 10:54 am

CSM212 cbdMD CBN Isolate	648-N 46B51-001	46B51-001	28.00g	Jennifer Davies 1/17/23 9:58 am
				28.00 / 28.71
RM572 Ashwagandha - Sensoril	WS202108150-FCL 7D1B1-002	7D1B1-002	6,930.00g	Jennifer Davies 2/13/23 10:50 am
				6,930.00 / 6,930.01
RM561 Rhodiola rosea L. Extract (3% Salidroside)	2204703 FF347-001	FF347-001	480.00g	Jennifer Davies 1/17/23 1:31 pm
RM561 Rhodiola rosea L. Extract (3% Salidroside)	2204509 5E191-001	5E191-001	1,000.00g	Jennifer Davies 1/17/23 1:31 pm
RM561 Rhodiola rosea L. Extract (3% Salidroside)	2204509 5E191-002	5E191-002	335.00g	Jennifer Davies 1/17/23 1:32 pm
				1,815.00 / 1,815.00
RM050 L-Theanine	2204601 91244-001	91244-001	398.00g	Jennifer Davies 1/17/23 10:20 am
RM050 L-Theanine	T20220117035X BBF40-001	BBF40-001	6,862.00g	Jennifer Davies 1/17/23 1:45 pm
				7,260.00 / 7,260.01
RM063 Lemon Balm Extract	2108411 81CCC-041	81CCC-041	1,000.00g	Jennifer Davies 1/17/23 9:32 am
RM063 Lemon Balm Extract	2108411 81CCC-045	81CCC-045	1,000.00g	Jennifer Davies 1/17/23 9:32 am
RM063 Lemon Balm Extract	2108411 81CCC-049	81CCC-049	1,000.00g	Jennifer Davies 1/17/23 9:33 am
RM063 Lemon Balm Extract	2108411 81CCC-037	81CCC-037	1,000.00g	Jennifer Davies 1/17/23 9:33 am
RM063 Lemon Balm Extract	2108411 81CCC-048	81CCC-048	1,000.00g	Jennifer Davies 1/17/23 9:34 am
RM063 Lemon Balm Extract	2108411 81CCC-043	81CCC-043	517.00g	Jennifer Davies 1/17/23 9:53 am
				5,517.00 / 5,517.61
RM570 Chamomile 10:1	CYGJ-E-A006236 657A9-002	657A9-002	5,445.00g	Jennifer Davies 2/13/23 9:51 am
				5,445.00 / 5,445.01
RM562 EGCG Green Tea Extract 50%	SBU-SO70354 3F5A5-006	3F5A5-006	2,500.00g	Jennifer Davies 1/17/23 9:38 am
RM562 EGCG Green Tea Extract 50%	SBU-SO70354 3F5A5-005	3F5A5-005	4,350.00g	Jennifer Davies 1/17/23 9:41 am
RM562 EGCG Green Tea Extract 50%	SBU-SO70354 3F5A5-004	3F5A5-004	4,040.00g	Jennifer Davies 1/17/23 9:53 am
				10,890.00 / 10,890.02

## Process Steps

### Production Blend Record Issuance

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Issuer has reviewed the blend record to ensure that the copy is a complete and accurate copy of the master batch record. Upon review of the batch record, quality assurance will issue the batch to production for blending operations.

Name and Date of the Employee from Quality Assurance verifying accuracy of the blending record.

Gentry B 2/13/23 Nick Bartholomew  
2/13/2023 11:03:07AM

Production has reviewed the batch record to ensure that the copy provided to them is a complete and correct record. Production is responsible for the accuracy and information following issuance. Name and Date of employee batch record has been issued to.

Carlos A 2/13/23 Nick Bartholomew  
2/13/2023 11:03:13AM

GMP Processing area location assigned for blending operations.

Clean Room 7 Nick Bartholomew  
2/13/2023 11:03:27AM

## Reference Documents

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QA-051 Nonconformance

QA-047 Product Changeovers

QA-041 GMP Processing Areas Cleaning & Sanitization

QA-027 Batch Production Records

QA-033 Holding of Raw Material Components, In-Process Materials, Packing Components, & Labels

## Raw Materials

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Gather all raw materials needed for the the production blending. All materials needed are listed on the front page of the blending record. All materials are to be staged and verified in sufficient quantities prior to the start of manufacturing operations.

All raw materials needed for the production have checked and are in sufficient quantities for the blending run.

true Nick Bartholomew  
2/13/2023 11:03:29AM

## Processing Equipment

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Gather all the required equipment and materials needed for the blending operations:

- Glass measurement beakers
- Weighing scale
- Stainless steel mixing vessel
- Mixing paddle
- Storage container
- Labeler

All equipment items have been gather and set up for the blending run prior to manufacturing operations.

true Nick Bartholomew  
2/13/2023 11:03:31AM

### Pre-Operational Checks

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All equipment items have been gather and set up for the blending run prior to manufacturing operations.

Product Changeover Form has been completed to ensure that production area does not contain any items for previous batches or cleaning activities and that no items unrelated to the current batch are present.

true Nick Bartholomew  
2/13/2023 11:03:33AM

GMP Processing Logbooks have been reviewed and verify that Cleaning has been performed according to Processing Areas Cleaning Procedures (SOP QA-041)

true Nick Bartholomew  
2/13/2023 11:03:32AM

Quality Unit has reviewed Product Changeover Form and production area given approval for manufacturing operations

true Nick Bartholomew  
2/13/2023 11:03:33AM

### Weighing of Materials

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Materials are to be weighed out and added to the stainless steeling mixing vessel in the order that they are outlined below.

Total Amount of RiceFlour that has been weighed out and added to the stainless steel mixing vessel.

5082 Jennifer Davies  
2/13/2023 11:47:13AM

Total amount of Ashwagandha (10% analide) that has been weighed out and added to the stainless steel mixing vessel.

6930 Jennifer Davies  
2/13/2023 11:46:08AM

Total Amount of SILICON DIOXIDE that has been weighed out and added to the stainless steel mixing vessel.

462 Jennifer Davies  
2/13/2023 11:47:09AM

Total Amount of Magnesium Stearate that has been weighed out and added to the stainless steel mixing vessel.

462 Jennifer Davies  
2/13/2023 11:47:26AM

Total Amount of CBD Isolate that has been weighed out and added to the stainless steel mixing vessel.

877 Jennifer Davies  
2/13/2023 11:46:03AM

Total Amount of CBN Isolate that has been weighed out and added to the stainless steel mixing vessel.

28 Jennifer Davies  
2/13/2023 11:45:56AM

Total Amount of CBG Isolate that has been weighed out and added to the stainless steel mixing vessel.

217 Jennifer Davies  
2/13/2023 11:46:01AM

Total Amount of Rhodiola Rosea Extract that has been weighed out and added to the stainless steel mixing vessel.

1815 Jennifer Davies  
2/13/2023 11:46:13AM

Total Amount of L-Theanine that has been weighed out and added to the stainless steel mixing vessel.

7260 Jennifer Davies  
2/13/2023 11:46:28AM

Total Amount of Lemon Balm that has been weighed out and added to the stainless steel mixing vessel.

5517 Jennifer Davies  
2/13/2023 11:46:42AM

Total Amount of Chamomile that has been weighed out and added to the stainless steel mixing vessel.

5445 Jennifer Davies  
2/13/2023 11:46:47AM

Total Amount of Green Tea Extract (50% ECGC) that has been weighed out and added to the stainless steel mixing vessel.

10890 Jennifer Davies  
2/13/2023 11:46:57AM

Total Amount of Passion Flower that has been weighed out and added to the stainless steel mixing vessel.

1815 Jennifer Davies  
2/13/2023 11:47:02AM

Total Amount of SaffSerene that has been weighed out and added to the stainless steel mixing vessel.

1089 Jennifer Davies  
2/13/2023 11:47:06AM

## Blending

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Close and seal all hatches to the V-Blender. Blend for 15-20 Minutes.

Record the start time for blending.

11:00 am Jennifer Davies  
2/13/2023 11:47:41AM

Record the end time for blending upon contents being well blended.

11:20 am Jennifer Davies  
2/13/2023 11:47:51AM

### Transfer and Storage of Blend

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After blending of the powder, the production team will notify the production supervisor that they are finished with the blending operations. The production supervisor will review the record up to this point for accuracy and completion.

After approval has been given the production team will finish closing out the record.

Properly transfer the bulk Powder from the stainless steel mixing vessel to the designated storage container. Make two labels with the following information: Lot Code, Product Name, Quantity, & Manufacture Date.

Place one label on the side of the storage container containing the bulk manufactured powder. Place the other label on the paper copy of the batch record on the last page.

Properly store the bulk storage container in the In-Process Material Hold Area ensuring that the container is a minimum of six inches off of the floor.

Give the batch record to the production supervisor so the manufacturing information can be imputed into Data Ninja.

Two labels printed and placed on the storage container and the paper batch record with the following information: Lot Code, Product Name, Quantity, & Manufacture Date

true Jennifer Davies  
2/13/2023 11:47:50AM

Storage Container placed in the In-Process Material Hold area off of the floor.

true Jennifer Davies  
2/13/2023 11:47:51AM

Name of Employee that verified the batch record for completion and accuracy

Nelly Jennifer Davies  
2/15/2023 6:22:57AM

Batch record given to the production supervisor and data imputed into Data Ninja

true Jennifer Davies  
2/13/2023 11:47:51AM

**Cleaning**

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Properly clean all the equipment that was used in the manufacturing of the product.

All leftover raw materials and other components needed for the manufacturing of the product has been properly closed and place back into their designated storage areas.

**Approval Details**

Manufacture

Electronic Signature by

**Jennifer Davies**

6A1FCB147C14E472BD0BF2B6FBF4C186 2/15/2023 6:23:15AM

Production Manager

Record Release

Electronic Signature by

**Nick Bartholomew**

19C9234DD7F9529D7ECCCF86EF0B1A6B 2/21/2023 2:27:55PM

QA

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