



12423 NE Whitaker Way  
 Portland, OR 97230  
 503-254-1794



**Report Number:** 23-000671/D002.R000  
**Report Date:** 01/23/2023  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 01/17/23 10:45

**Customer:** Mission Farms CBD  
**Product identity:** Full Spectrum Max Relieve 2000 mg Oil LOT: 230110-DGC-MF1  
**Project Number:** LOT: 230110-DGC-MF1  
**Client/Metric ID:** .  
**Laboratory ID:** 23-000671-0001

### Summary

**Potency:**

Analyte	Result	Limits	Units	Status	
CBC	0.971		%		CBD-Total per Serving Size 44.3 mg/1g
CBD	4.43		%		
CBG	1.34		%		THC-Total per Serving Size 1.71 mg/1g
Δ9-THC	0.171		%		
<b>Analyte per 1g</b>	<b>Result</b>	<b>Limits</b>	<b>Units</b>	<b>Status</b>	CBD-Total per Serving Size 1280 mg/29g
CBC per 1g	9.71		mg/1g		
CBD per 1g	44.3		mg/1g		THC-Total per Serving Size 49.6 mg/29g
CBG per 1g	13.4		mg/1g		
Δ9-THC per 1g	1.71		mg/1g		(Reported in milligrams per serving)
<b>Analyte per 29g</b>	<b>Result</b>	<b>Limits</b>	<b>Units</b>	<b>Status</b>	
CBC per 29g	282		mg/29g		
CBD per 29g	1280		mg/29g		
CBG per 29g	389		mg/29g		
Δ9-THC per 29g	49.6		mg/29g		



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**Customer:** Mission Farms CBD  
 1001 SW Disk DR #250  
 Bend Oregon 97702  
 United States of America (USA)

**Product identity:** Full Spectrum Max Relieve 2000 mg Oil LOT: 230110-DGC-MF1

**Project Number:** LOT: 230110-DGC-MF1

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 23-000671-0001

**Evidence of Cooling:** No

**Temp:** 16.4

**Relinquished by:** ups

**Serving Size #2:** 29 g

**Serving Size #1:** 1 g

### Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod) <sup>b</sup>	Units %	Batch: 2300604	Analyze: 1/18/23 11:42:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.971		%	0.0745	
CBC-A	< LOQ		%	0.0745	
CBC-Total	0.971		%	0.140	
CBD	4.43		%	0.0745	
CBD-A	< LOQ		%	0.0745	
CBD-Total	4.43		%	0.140	
CBDV	< LOQ		%	0.0745	
CBDV-A	< LOQ		%	0.0745	
CBDV-Total	< LOQ		%	0.139	
CBE	< LOQ		%	0.0745	
CBG	1.34		%	0.0745	
CBG-A	< LOQ		%	0.0745	
CBG-Total	1.34		%	0.139	
CBL	< LOQ		%	0.0745	
CBL-A	< LOQ		%	0.0745	
CBL-Total	< LOQ		%	0.140	
CBN	< LOQ		%	0.0745	
CBT	< LOQ		%	0.0745	
Δ8-THCV	< LOQ		%	0.0745	
Δ10-THC-9R	< LOQ		%	0.0745	
Δ8-THC	< LOQ		%	0.0745	
Δ9-THC	0.171		%	0.0745	
exo-THC	< LOQ		%	0.0745	
THC-A	< LOQ		%	0.0745	
THC-Total	0.171		%	0.140	
THCV	< LOQ		%	0.0745	
THCV-A	< LOQ		%	0.0745	
THCV-Total	< LOQ		%	0.139	



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Potency	Method: J AOAC 2015 V98-6 (mod) <sup>b</sup>	Units %	Batch: 2300604	Analyze: 1/18/23 11:42:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
Total Cannabinoids	6.91		%		

Potency per 1g	Method: J AOAC 2015 V98-6 (mod) <sup>b</sup>	Units mg/se	Batch: 2300604	Analyze: 1/18/23 11:42:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1g	9.71		mg/1g	0.745	
CBC-A per 1g	< LOQ		mg/1g	0.745	
CBC-Total per 1g	9.71		mg/1g	1.40	
CBD per 1g	44.3		mg/1g	0.745	
CBD-A per 1g	< LOQ		mg/1g	0.745	
CBD-Total per 1g	44.3		mg/1g	1.40	
CBDV per 1g	< LOQ		mg/1g	0.745	
CBDV-A per 1g	< LOQ		mg/1g	0.745	
CBDV-Total per 1g	< LOQ		mg/1g	1.39	
CBE per 1g	< LOQ		mg/1g	0.745	
CBG per 1g	13.4		mg/1g	0.745	
CBG-A per 1g	< LOQ		mg/1g	0.745	
CBG-Total per 1g	13.4		mg/1g	1.39	
CBL per 1g	< LOQ		mg/1g	0.745	
CBL-A per 1g	< LOQ		mg/1g	0.745	
CBL-Total per 1g	< LOQ		mg/1g	1.40	
CBN per 1g	< LOQ		mg/1g	0.745	
CBT per 1g	< LOQ		mg/1g	0.745	
Δ8-THCV per 1g	< LOQ		mg/1g	0.745	
Δ8-THC per 1g	< LOQ		mg/1g	0.745	
Δ9-THC per 1g	1.71		mg/1g	0.745	
exo-THC per 1g	< LOQ		mg/1g	0.745	
THC-A per 1g	< LOQ		mg/1g	0.745	
THC-Total per 1g	1.71		mg/1g	1.40	
THCV per 1g	< LOQ		mg/1g	0.745	
THCV-A per 1g	< LOQ		mg/1g	0.745	
THCV-Total per 1g	< LOQ		mg/1g	1.40	
Total Cannabinoids per 1g	69.5		mg/1g		

Potency per 29g	Method: J AOAC 2015 V98-6 (mod) <sup>b</sup>	Units mg/se	Batch: 2300604	Analyze: 1/18/23 11:42:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 29g	282		mg/29g	21.6	
CBC-A per 29g	< LOQ		mg/29g	21.6	
CBC-Total per 29g	282		mg/29g	40.5	
CBD per 29g	1280		mg/29g	21.6	
CBD-A per 29g	< LOQ		mg/29g	21.6	
CBD-Total per 29g	1280		mg/29g	40.5	
CBDV per 29g	< LOQ		mg/29g	21.6	
CBDV-A per 29g	< LOQ		mg/29g	21.6	
CBDV-Total per 29g	< LOQ		mg/29g	40.3	
CBE per 29g	< LOQ		mg/29g	21.6	
CBG per 29g	389		mg/29g	21.6	



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Potency per 29g      **Method:** J AOAC 2015 V98-6 (mod)<sup>b</sup>      **Units** mg/se **Batch:** 2300604      **Analyze:** 1/18/23 11:42:00 PM

Analyte	Result	Limits	Units	LOQ	Notes
CBG-A per 29g	< LOQ		mg/29g	21.6	
CBG-Total per 29g	389		mg/29g	40.3	
CBL per 29g	< LOQ		mg/29g	21.6	
CBL-A per 29g	< LOQ		mg/29g	21.6	
CBL-Total per 29g	< LOQ		mg/29g	40.5	
CBN per 29g	< LOQ		mg/29g	21.6	
CBT per 29g	< LOQ		mg/29g	21.6	
Δ8-THCV per 29g	< LOQ		mg/29g	21.6	
Δ8-THC per 29g	< LOQ		mg/29g	21.6	
Δ9-THC per 29g	49.6		mg/29g	21.6	
exo-THC per 29g	< LOQ		mg/29g	21.6	
THC-A per 29g	< LOQ		mg/29g	21.6	
THC-Total per 29g	49.6		mg/29g	40.5	
THCV per 29g	< LOQ		mg/29g	21.6	
THCV-A per 29g	< LOQ		mg/29g	21.6	
THCV-Total per 29g	< LOQ		mg/29g	40.6	
Total Cannabinoids per 29g	2010		mg/29g		

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**Abbreviations**

**Limits:** Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220, CCR title 16-division 42. BCC-section 5723

**Limit(s) of Quantitation (LOQ):** The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

<sup>p</sup> = ISO/IEC 17025:2017 accredited method.

**Units of Measure**

g = g  
mg/1g = Milligram per 1g  
mg/29g = Milligram per 29g  
% = Percentage of sample  
% wt =  $\mu\text{g/g}$  divided by 10,000

Approved Signatory

Derrick Tanner  
General Manager



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**Hemp & Cannabis: Usable / Extract / Finished Product**

**Chain of Custody** 23-000671  
 ORELAP ID: OR100028 ANAB ISO

Document Control ID: 2832 Revision: 5  
 Effective: 01/04/2022

**Company:** Mission Farms CBD  
**Contact:** Ben Joyce  
**Address:** 60857 Yellow Leaf Street  
**City:** Bend **State:** OR **Zip Code:** 97702  
 **Email Results:** ben@missionfarmscbd.com  
 **Ph:** (925) - 759-9555  
*Billing Contact (if different)*  
**Name:** Jen Simon **Email:** jen@missionfarmscbd.com  
**Address:** 60857 Yellow Leaf Street  
**City:** Bend **State:** OR **Zip:** 97702  
**Ph:** (970) - 4850759

Lab ID	Client Sample Identification	Sample date	Potency (Basic+Expanded)   H0010	Anal
	Full Spectrum Max Relieve 2000mg Oil	1.11.23	✓	
	LOT: 230110-DGC-MF1			



**Project ID:** Relieve Full Spectrum Max 2000mg  
**Batch ID:** LOT: 230110-DGC-MF1  
**Sampled by:**  
**Custom Reporting:**  
**Source Material:**  - Ind. Hemp product |  - Rec. Cannabis  
**Reporting Type:**  - Compliance |  - R&D  
**Report to:**  - METRC |  - ODA |  - USDA |  - Other:  
**Turnaround time (TAT - Business Days):**  
 - 5BD |  - 3BD\* |  - 2BD\*  
*\*Check for availability*

Material Type †	Weight (Units)	Comments/Metric ID
	29g	Please report in mg/g and mg/unit weith and include batch #230110-DGC-MF1 The specific Target measurements are as follows for Relieve 2000 FSMAX Oil  1400 mg CBD 400 mg CBG 200 mg CBC  Unit weight is 29g

Signature - Relinquished By:	Date	Time	Signature - Received By:	Date	Time	Lab Use Only:
<i>Kate Riley</i> Kate Riley	1.11.23	4:03 PM	<i>ARS</i>	01/17/23	10:45	<input checked="" type="checkbox"/> Shipped Via: <u>UPS</u> or <input type="checkbox"/> Client drop off Evidence of cooling: <input type="checkbox"/> Yes   <input checked="" type="checkbox"/> No - Temp (°C): <u>16.4</u> Sample in good condition: <input type="checkbox"/> Yes   <input type="checkbox"/> No Payment: <input type="checkbox"/> Cash   <input type="checkbox"/> Check   <input type="checkbox"/> CC   <input type="checkbox"/> Net: Prelog storage:

† - Material Type Codes: Plant Material (P) ; Isolate (I) ; Concentrate/Extract (C) ; Tincture/Topical (T) ; Edible (E) ; Beverage (B) ; Vapor Product (V)  
 Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the current terms of service associated with this COC. By signing "Relinquished by" you are agreeing to these terms  
 12423 NE Whitaker Way Portland, OR 97230 P: (503) 254-1794 | Fax: (503) 254-1452 info@columbialaboratories.com Page \_\_\_ of \_\_\_ www.columbialaboratories.com



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Revision: 1 Document ID: 7148  
Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 2300604

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	2	0.103	0.100	%	103	80.0	- 120	Acceptable	
CBDV	2	0.110	0.106	%	103	80.0	- 120	Acceptable	
CBE	2	0.107	0.105	%	102	80.0	- 120	Acceptable	
CBDA	1	0.0962	0.096	%	100.0	90.0	- 110	Acceptable	
CBGA	1	0.0969	0.096	%	101	80.0	- 120	Acceptable	
CBG	1	0.100	0.099	%	102	80.0	- 120	Acceptable	
CBD	1	0.0966	0.097	%	99.2	90.0	- 110	Acceptable	
THCV	2	0.109	0.106	%	103	80.0	- 120	Acceptable	
d8THCV	2	0.108	0.103	%	104	80.0	- 120	Acceptable	
THCVA	2	0.102	0.099	%	103	80.0	- 120	Acceptable	
CBN	1	0.103	0.102	%	101	80.0	- 120	Acceptable	
exo-THC	2	0.101	0.097	%	104	80.0	- 120	Acceptable	
d9THC	1	0.108	0.105	%	103	90.0	- 110	Acceptable	
d8THC	1	0.101	0.100	%	100	90.0	- 110	Acceptable	
CBL	2	0.111	0.104	%	107	80.0	- 120	Acceptable	
d10THC	1	0.0480	0.047	%	102	80.0	- 120	Acceptable	
CBC	2	0.105	0.104	%	101	80.0	- 120	Acceptable	
THCA	1	0.0960	0.095	%	101	90.0	- 110	Acceptable	
CBCA	2	0.104	0.103	%	101	80.0	- 120	Acceptable	
CBLA	2	0.109	0.105	%	104	80.0	- 120	Acceptable	
CBT	2	0.109	0.105	%	103	80.0	- 120	Acceptable	

Method Blank									
Analyte	Result	LOQ	Units	Limits		Evaluation	Notes		
CBDVA	<LOQ	0.077	%	< 0.077		Acceptable			
CBDV	<LOQ	0.077	%	< 0.077		Acceptable			
CBE	<LOQ	0.077	%	< 0.077		Acceptable			
CBDA	<LOQ	0.077	%	< 0.077		Acceptable			
CBGA	<LOQ	0.077	%	< 0.077		Acceptable			
CBG	<LOQ	0.077	%	< 0.077		Acceptable			
CBD	<LOQ	0.077	%	< 0.077		Acceptable			
THCV	<LOQ	0.077	%	< 0.077		Acceptable			
d8THCV	<LOQ	0.077	%	< 0.077		Acceptable			
THCVA	<LOQ	0.077	%	< 0.077		Acceptable			
CBN	<LOQ	0.077	%	< 0.077		Acceptable			
exo-THC	<LOQ	0.077	%	< 0.077		Acceptable			
d9THC	<LOQ	0.077	%	< 0.077		Acceptable			
d8THC	<LOQ	0.077	%	< 0.077		Acceptable			
CBL	<LOQ	0.077	%	< 0.077		Acceptable			
d10THC	<LOQ	0.077	%	< 0.077		Acceptable			
CBC	<LOQ	0.077	%	< 0.077		Acceptable			
THCA	<LOQ	0.077	%	< 0.077		Acceptable			
CBCA	<LOQ	0.077	%	< 0.077		Acceptable			
CBLA	<LOQ	0.077	%	< 0.077		Acceptable			
CBT	<LOQ	0.077	%	< 0.077		Acceptable			

**Abbreviations**  
ND - None Detected at or above MRL  
RPD - Relative Percent Difference  
LOQ - Limit of Quantitation

**Units of Measure:**  
% - Percent



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Revision: 1 Document ID: 7148  
 Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6		Batch ID: 2300604						
Sample Duplicate		Sample ID: 22-004270-0004						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBDV	0.485	0.485	0.077	%	0.0286	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBG	0.188	0.188	0.077	%	0.345	< 20	Acceptable	
CBD	85.0	85.5	0.077	%	0.592	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBN	0.499	0.501	0.077	%	0.406	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBL	<LOQ	0.0772	0.077	%	NA	< 20	Acceptable	R2
d10THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBC	0.936	0.937	0.077	%	0.136	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBT	0.575	0.579	0.077	%	0.591	< 20	Acceptable	

Abbreviations

ND - None Detected at or above MRL  
 RPD - Relative Percent Difference  
 LOQ - Limit of Quantitation

Units of Measure:





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Explanation of QC Flag Comments:

Code	Explanation
Q	Matrix interferences affecting spike or surrogate recoveries.
Q1	Quality control result biased high. Only non-detect samples reported.
Q2	Quality control outside QC limits. Data considered estimate.
Q3	Sample concentration greater than four times the amount spiked.
Q4	Non-homogenous sample matrix, affecting RPD result and/or % recoveries.
Q5	Spike results above calibration curve.
Q6	Quality control outside QC limits. Data acceptable based on remaining QC.
R	Relative percent difference (RPD) outside control limit.
R1	RPD non-calculable, as sample or duplicate results are less than five times the LOQ.
R2	Sample replicates RPD non-calculable, as only one replicate is within the analytical range.
LOQ1	Quantitation level raised due to low sample volume and/or dilution.
LOQ2	Quantitation level raised due to matrix interference.
B	Analyte detected in method blank, but not in associated samples.
B1	The sample concentration is greater than 5 times the blank concentration.
B2	The sample concentration is less than 5 times the blank concentration.