



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



Report Number: 23-008002/D003.R000
Report Date: 07/14/2023
ORELAP#: OR100028
Purchase Order:
Received: 07/07/23 12:29

Customer: Brothers Apothecary
Product identity: CBD Capsule 1.2
Project Number: COL-BR-13
Client/Metric ID: .
Laboratory ID: 23-008002-0006

Summary

Potency:

| Analyte | Result | Limits | Units | Status | |
|-------------------|---------|--------|----------|--------|---|
| CBD | 1.38 | | % | | CBD-Total per Serving Size 6.40 mg/0.34g |
| CBD-A | 0.574 | | % | | |
| CBG | 0.0274 | | % | | THC-Total per Serving Size 0.239 mg/0.34g |
| CBG-A | 0.0175 | | % | | |
| Δ9-THC | 0.0654 | | % | | (Reported in milligrams per serving) |
| THC-A | 0.00544 | | % | | |
| Analyte per 0.34g | Result | Limits | Units | Status | |
| CBD per 0.34g | 4.69 | | mg/0.34g | | |
| CBD-A per 0.34g | 1.95 | | mg/0.34g | | |
| CBG per 0.34g | 0.0932 | | mg/0.34g | | |
| CBG-A per 0.34g | 0.0595 | | mg/0.34g | | |
| Δ9-THC per 0.34g | 0.222 | | mg/0.34g | | |
| THC-A per 0.34g | 0.0185 | | mg/0.34g | | |



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Customer: Brothers Apothecary
 3423 SE18th Ave
 Portland OR, 97202
 United States of America (USA)

Product identity: CBD Capsule 1.2

Project Number: COL-BR-13

Client/Metric ID: .

Sample Date:

Laboratory ID: 23-008002-0006

Evidence of Cooling: No

Temp: 22.8

Relinquished by: client

Serving Size #1: 0.34 g

Sample Results

| Potency | Method: J AOAC 2015 V98-6 (mod) | | Units % | Batch: 2308934 | Analyze: 7/10/23 9:33:00 PM |
|---------------------------|---------------------------------|--------|---------|----------------|-----------------------------|
| Analyte | Result | Limits | Units | LOQ | Notes |
| CBD [±] | 1.38 | | % | 0.0314 | |
| CBD-A [±] | 0.574 | | % | 0.00314 | |
| CBD-Total | 1.88 | | % | 0.0341 | |
| CBG | 0.0274 | | % | 0.00314 | |
| CBG-A | 0.0175 | | % | 0.00314 | |
| CBG-Total | 0.0428 | | % | 0.00586 | |
| CBN | < LOQ | | % | 0.00314 | |
| Δ10-THC-9R | < LOQ | | % | 0.00314 | |
| Δ10-THC-9S | < LOQ | | % | 0.00314 | |
| Δ10-THC-Total | < LOQ | | % | 0.00628 | |
| Δ8-THC [±] | < LOQ | | % | 0.00314 | |
| Δ9-THC [±] | 0.0654 | | % | 0.00314 | |
| THC-A [±] | 0.00544 | | % | 0.00314 | |
| THC-Total | 0.0702 | | % | 0.00589 | |
| Total Cannabinoids | 2.07 | | % | | |

| Potency per 0.34g | Method: J AOAC 2015 V98-6 (mod) | | Units mg/se | Batch: 2308934 | Analyze: 7/10/23 9:33:00 PM |
|-------------------------|---------------------------------|--------|-------------|----------------|-----------------------------|
| Analyte | Result | Limits | Units | LOQ | Notes |
| CBD per 0.34g | 4.69 | | mg/0.34g | 0.107 | |
| CBD-A per 0.34g | 1.95 | | mg/0.34g | 0.0107 | |
| CBD-Total per 0.34g | 6.40 | | mg/0.34g | 0.116 | |
| CBG per 0.34g | 0.0932 | | mg/0.34g | 0.0107 | |
| CBG-A per 0.34g | 0.0595 | | mg/0.34g | 0.0107 | |
| CBG-Total per 0.34g | 0.145 | | mg/0.34g | 0.0199 | |
| CBN per 0.34g | < LOQ | | mg/0.34g | 0.0107 | |
| Δ10-THC-9R per 0.34g | < LOQ | | mg/0.34g | 0.0107 | |
| Δ10-THC-9S per 0.34g | < LOQ | | mg/0.34g | 0.0107 | |
| Δ10-THC-Total per 0.34g | < LOQ | | mg/0.34g | 0.0213 | |
| Δ8-THC per 0.34g | < LOQ | | mg/0.34g | 0.0107 | |



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| Potency per 0.34g Method: J AOAC 2015 V98-6 (mod) Units mg/se Batch: 2308934 Analyze: 7/10/23 9:33:00 PM | | | | | |
|--|--------|--------|----------|--------|-------|
| Analyte | Result | Limits | Units | LOQ | Notes |
| Δ9-THC per 0.34g | 0.222 | | mg/0.34g | 0.0107 | |
| THC-A per 0.34g | 0.0185 | | mg/0.34g | 0.0107 | |
| THC-Total per 0.34g | 0.239 | | mg/0.34g | 0.0200 | |



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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.

Ⓟ = ISO/IEC 17025:2017 accredited method.

Ⓜ = TNI accredited analyte.

Units of Measure

g = g

mg/0.34g = Milligram per 0.34g

% = Percentage of sample

% wt = $\mu\text{g/g}$ divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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Revision: 4 Document ID: 7148
 Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 2308934

| Laboratory Control Sample | | | | | | | | | |
|---------------------------|-----|--------|--------|-------|-------|--------|-------|------------|-------|
| Analyte | LCS | Result | Spike | Units | % Rec | Limits | | Evaluation | Notes |
| CBDVA | 2 | 0.0319 | 0.0316 | % | 101 | 80.0 | - 120 | Acceptable | |
| CBDV | 2 | 0.0323 | 0.0315 | % | 102 | 80.0 | - 120 | Acceptable | |
| CBE | 2 | 0.0332 | 0.0348 | % | 95.4 | 80.0 | - 120 | Acceptable | |
| CBDA | 1 | 0.0318 | 0.0325 | % | 98.0 | 90.0 | - 110 | Acceptable | |
| CBGA | 1 | 0.0319 | 0.0326 | % | 97.9 | 80.0 | - 120 | Acceptable | |
| CBG | 1 | 0.0322 | 0.0332 | % | 97.0 | 80.0 | - 120 | Acceptable | |
| CBD | 1 | 0.0328 | 0.0337 | % | 97.1 | 90.0 | - 110 | Acceptable | |
| THCV | 2 | 0.0243 | 0.0236 | % | 103 | 80.0 | - 120 | Acceptable | |
| d8THCV | 2 | 0.0283 | 0.0279 | % | 102 | 80.0 | - 120 | Acceptable | |
| THCVA | 2 | 0.0315 | 0.0308 | % | 102 | 80.0 | - 120 | Acceptable | |
| CBN | 1 | 0.0325 | 0.0340 | % | 95.6 | 80.0 | - 120 | Acceptable | |
| exo-THC | 2 | 0.0286 | 0.0283 | % | 101 | 80.0 | - 120 | Acceptable | |
| d9THC | 1 | 0.0317 | 0.0329 | % | 96.4 | 90.0 | - 110 | Acceptable | |
| d8THC | 1 | 0.0311 | 0.0320 | % | 97.3 | 90.0 | - 110 | Acceptable | |
| 9S-d10THC | 1 | 0.0333 | 0.0343 | % | 97.2 | 80.0 | - 120 | Acceptable | |
| CBL | 2 | 0.0325 | 0.0311 | % | 104 | 80.0 | - 120 | Acceptable | |
| 9R-d10THC | 1 | 0.0301 | 0.0313 | % | 96.2 | 80.0 | - 120 | Acceptable | |
| CBC | 2 | 0.0294 | 0.0293 | % | 100 | 80.0 | - 120 | Acceptable | |
| THCA | 1 | 0.0314 | 0.0322 | % | 97.4 | 90.0 | - 110 | Acceptable | |
| CBCA | 2 | 0.0327 | 0.0320 | % | 103 | 80.0 | - 120 | Acceptable | |
| CBLA | 2 | 0.0310 | 0.0302 | % | 103 | 80.0 | - 120 | Acceptable | |
| d9THCP | 2 | 0.0330 | 0.0326 | % | 101 | 80.0 | - 120 | Acceptable | |
| CBT | 2 | 0.0321 | 0.0326 | % | 98.3 | 80.0 | - 120 | Acceptable | |

| Method Blank | | | | | | |
|--------------|--------|---------|-------|-----------|------------|-------|
| Analyte | Result | LOQ | Units | Limits | Evaluation | Notes |
| CBDVA | <LOQ | 0.00322 | % | < 0.00322 | Acceptable | |
| CBDV | <LOQ | 0.00322 | % | < 0.00322 | Acceptable | |
| CBE | <LOQ | 0.00322 | % | < 0.00322 | Acceptable | |
| CBDA | <LOQ | 0.00322 | % | < 0.00322 | Acceptable | |
| CBGA | <LOQ | 0.00322 | % | < 0.00322 | Acceptable | |
| CBG | <LOQ | 0.00322 | % | < 0.00322 | Acceptable | |
| CBD | <LOQ | 0.00322 | % | < 0.00322 | Acceptable | |
| THCV | <LOQ | 0.00322 | % | < 0.00322 | Acceptable | |
| d8THCV | <LOQ | 0.00322 | % | < 0.00322 | Acceptable | |
| THCVA | <LOQ | 0.00322 | % | < 0.00322 | Acceptable | |
| CBN | <LOQ | 0.00322 | % | < 0.00322 | Acceptable | |
| exo-THC | <LOQ | 0.00322 | % | < 0.00322 | Acceptable | |
| d9THC | <LOQ | 0.00322 | % | < 0.00322 | Acceptable | |
| d8THC | <LOQ | 0.00322 | % | < 0.00322 | Acceptable | |
| 9S-d10THC | <LOQ | 0.00322 | % | < 0.00322 | Acceptable | |
| CBL | <LOQ | 0.00322 | % | < 0.00322 | Acceptable | |
| 9R-d10THC | <LOQ | 0.00322 | % | < 0.00322 | Acceptable | |
| CBC | <LOQ | 0.00322 | % | < 0.00322 | Acceptable | |
| THCA | <LOQ | 0.00322 | % | < 0.00322 | Acceptable | |
| CBCA | <LOQ | 0.00322 | % | < 0.00322 | Acceptable | |
| CBLA | <LOQ | 0.00322 | % | < 0.00322 | Acceptable | |
| d9THCP | <LOQ | 0.00322 | % | < 0.00322 | Acceptable | |
| CBT | <LOQ | 0.00322 | % | < 0.00322 | 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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Laboratory Quality Control Results

| J AOAC 2015 V98-6 | | Batch ID: 2308934 | | | | | | |
|-------------------|---------|---------------------------|---------|-------|-------|--------|------------|-------|
| Sample Duplicate | | Sample ID: 23-007976-0001 | | | | | | |
| Analyte | Result | Org. Result | LOQ | Units | RPD | Limits | Evaluation | Notes |
| CBDVA | <LOQ | <LOQ | 0.00308 | % | NA | < 20 | Acceptable | |
| CBDV | <LOQ | <LOQ | 0.00308 | % | NA | < 20 | Acceptable | |
| CBE | <LOQ | <LOQ | 0.00308 | % | NA | < 20 | Acceptable | |
| CBD | <LOQ | <LOQ | 0.00308 | % | NA | < 20 | Acceptable | |
| CBGA | <LOQ | <LOQ | 0.00308 | % | NA | < 20 | Acceptable | |
| CBG | 0.0201 | 0.0196 | 0.00308 | % | 2.41 | < 20 | Acceptable | |
| CBD | 0.691 | 0.681 | 0.00308 | % | 1.46 | < 20 | Acceptable | |
| THCV | <LOQ | <LOQ | 0.00308 | % | NA | < 20 | Acceptable | |
| d8THCV | <LOQ | <LOQ | 0.00308 | % | NA | < 20 | Acceptable | |
| THCVA | <LOQ | <LOQ | 0.00308 | % | NA | < 20 | Acceptable | |
| CBN | 0.126 | 0.125 | 0.00308 | % | 1.39 | < 20 | Acceptable | |
| exo-THC | <LOQ | <LOQ | 0.00308 | % | NA | < 20 | Acceptable | |
| d9THC | <LOQ | <LOQ | 0.00308 | % | NA | < 20 | Acceptable | |
| d8THC | <LOQ | <LOQ | 0.00308 | % | NA | < 20 | Acceptable | |
| 9S-d10THC | <LOQ | <LOQ | 0.00308 | % | NA | < 20 | Acceptable | |
| CBL | <LOQ | <LOQ | 0.00308 | % | NA | < 20 | Acceptable | |
| 9R-d10THC | <LOQ | <LOQ | 0.00308 | % | NA | < 20 | Acceptable | |
| CBC | 0.00582 | 0.00580 | 0.00308 | % | 0.290 | < 20 | Acceptable | |
| THCA | <LOQ | <LOQ | 0.00308 | % | NA | < 20 | Acceptable | |
| CBCA | <LOQ | <LOQ | 0.00308 | % | NA | < 20 | Acceptable | |
| CBLA | <LOQ | <LOQ | 0.00308 | % | NA | < 20 | Acceptable | |
| d9THCP | <LOQ | <LOQ | 0.00308 | % | NA | < 20 | Acceptable | |
| CBT | <LOQ | <LOQ | 0.00308 | % | NA | < 20 | 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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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. |