



Product identity: Muscle Recovery Lotion 600mg **Client/Metric ID:** .
Laboratory ID: 19-010195-0006 **Sample Date:**

Summary

Potency:

| | | | | |
|-------------------|-------------------|--|---------------------------------------|----------|
| Analyte | Result (%) | <ul style="list-style-type: none"> ● CBD ● CBC ● CBDV | CBD-Total | 1.49% |
| CBD | 1.49 | | THC-Total | < 0.006% |
| CBC [†] | 0.0229 | | (Reported in percent of total sample) | |
| CBDV [†] | 0.00554 | | | |

Terpenes:

| Analyte | Percent by weight | Percent of Total | Analyte | Percent by weight | Percent of Total |
|-----------------------------------|-------------------|------------------|-------------------------|-------------------|------------------|
| Menthol [†] | 2.43 | 85.87% | Eucalyptol [†] | 0.209 | 7.39% |
| (R)-(+)-Limonene [†] | 0.0894 | 3.16% | a-pinene [†] | 0.0426 | 1.51% |
| (-)-a-Terpineol [†] | 0.0351 | 1.24% | Isoborneol [†] | 0.0227 | 0.80% |
| Total Terpenes[†] | 2.83 | 100.00% | | | |

Microbiology:

Less than LOQ for all analytes.



Customer: Nirvana CBD

Product identity: Muscle Recovery Lotion 600mg
Client/Metric ID: .
Sample Date:
Laboratory ID: 19-010195-0006
Relinquished by: Patrick Mulcahy
Temp: 26.6 °C
Net volume: 100 ml
Serving Size #1: 1 g

Sample Results

| Potency | Method J AOAC 2015 V98-6 | | | Units % | Batch 1907845 | Analyze 08/27/19 12:48 PM |
|-------------|--------------------------|------------|--------|---------|---------------|---------------------------|
| Analyte | As Received | Dry weight | LOQ | Notes | | |
| CBC† | 0.0229 | | 0.0033 | | | |
| CBC-A† | < LOQ | | 0.0033 | | | |
| CBC-Total† | 0.0229 | | 0.0062 | | | |
| CBD | 1.49 | | 0.0330 | | | |
| CBD-A | < LOQ | | 0.0033 | | | |
| CBD-Total | 1.49 | | 0.0359 | | | |
| CBDV† | 0.00554 | | 0.0033 | | | |
| CBDV-A† | < LOQ | | 0.0033 | | | |
| CBDV-Total† | < LOQ | | 0.0062 | | | |
| CBG† | < LOQ | | 0.0033 | | | |
| CBG-A† | < LOQ | | 0.0033 | | | |
| CBG-Total† | < LOQ | | 0.0062 | | | |
| CBL† | < LOQ | | 0.0033 | | | |
| CBN | < LOQ | | 0.0033 | | | |
| Δ8-THC† | < LOQ | | 0.0033 | | | |
| Δ9-THC | < LOQ | | 0.0033 | | | |
| THC-A | < LOQ | | 0.0033 | | | |
| THC-Total | < LOQ | | 0.0062 | | | |
| THCV† | < LOQ | | 0.0033 | | | |
| THCV-A† | < LOQ | | 0.0033 | | | |
| THCV-Total† | < LOQ | | 0.0062 | | | |

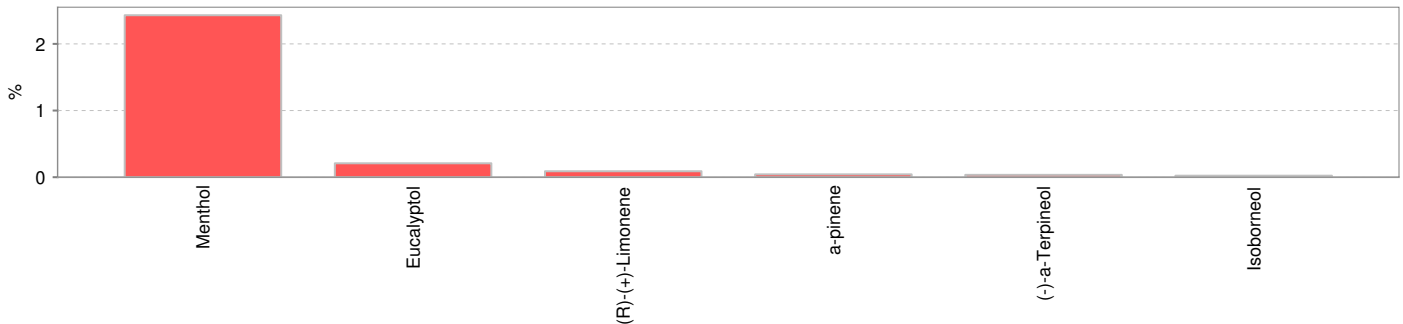


| Microbiology | | | | | | | | |
|-------------------------|--------|--------|-------|-----|---------|----------|----------------------|-------|
| Analyte | Result | Limits | Units | LOQ | Batch | Analyze | Method | Notes |
| Mold (RAPID Petrifilm) | < LOQ | | cfu/g | 10 | 1907663 | 08/28/19 | AOAC 2014.05 (RAPID) | X |
| Yeast (RAPID Petrifilm) | < LOQ | | cfu/g | 10 | 1907663 | 08/28/19 | AOAC 2014.05 (RAPID) | X |

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Pixis quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be kept a maximum of 15 days from the report date unless prior arrangements have been made.

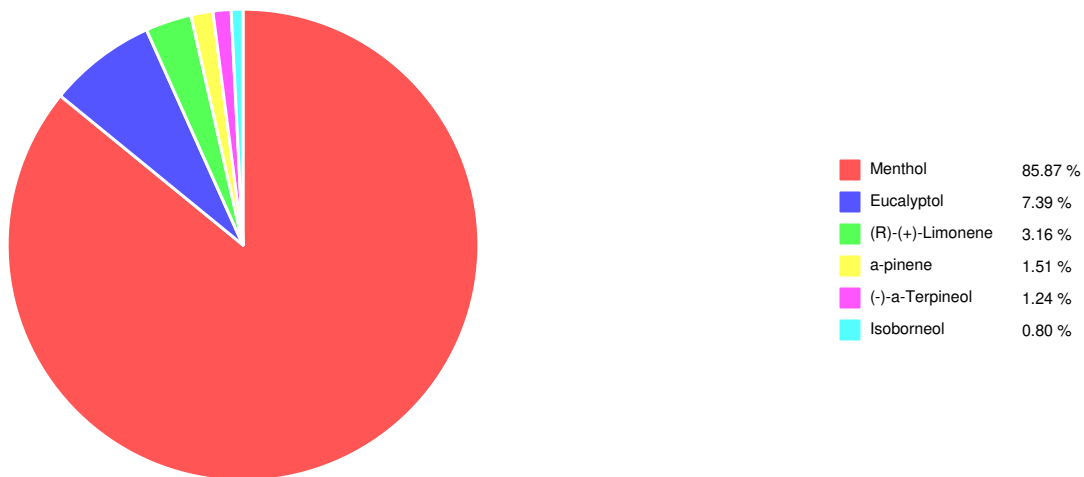


| Terpenes | | | | | Method J AOAC 2015 V98-6 | | | | | Units % Batch 1907722 Analyze 08/27/19 11:49 AM | | | | |
|--------------------------|-------------|-------|------------|-------|--------------------------|--------|-------|------------|-------|---|--|--|--|--|
| Analyte | Result | LOQ | % of Total | Notes | Analyte | Result | LOQ | % of Total | Notes | | | | | |
| Menthol† | 2.43 | 0.020 | 85.87% | | Eucalyptol† | 0.209 | 0.020 | 7.39% | | | | | | |
| (R)-(+)-Limonene† | 0.0894 | 0.020 | 3.16% | | a-pinene† | 0.0426 | 0.020 | 1.51% | | | | | | |
| (-)-a-Terpineol† | 0.0351 | 0.020 | 1.24% | | Isoborneol† | 0.0227 | 0.020 | 0.80% | | | | | | |
| p-Cymene† | < LOQ | 0.020 | 0.00% | | β-Caryophyllene† | < LOQ | 0.020 | 0.00% | | | | | | |
| (-)-caryophyllene oxide† | < LOQ | 0.020 | 0.00% | | (-)-Guaiol† | < LOQ | 0.020 | 0.00% | | | | | | |
| (-)-Isopulegol† | < LOQ | 0.020 | 0.00% | | (-)-β-Pinene† | < LOQ | 0.020 | 0.00% | | | | | | |
| (+)-Borneol† | < LOQ | 0.020 | 0.00% | | (+)-Cedrol† | < LOQ | 0.020 | 0.00% | | | | | | |
| (+)-fenchol† | < LOQ | 0.020 | 0.00% | | (+)-Pulegone† | < LOQ | 0.020 | 0.00% | | | | | | |
| (±)-Camphor† | < LOQ | 0.020 | 0.00% | | (±)-cis-Nerolidol† | < LOQ | 0.020 | 0.00% | | | | | | |
| (±)-fenchone† | < LOQ | 0.020 | 0.00% | | (±)-trans-Nerolidol† | < LOQ | 0.020 | 0.00% | | | | | | |
| a-Bisabolol† | < LOQ | 0.020 | 0.00% | | a-cedrene† | < LOQ | 0.020 | 0.00% | | | | | | |
| a-phellandrene† | < LOQ | 0.020 | 0.00% | | a-Terpinene† | < LOQ | 0.020 | 0.00% | | | | | | |
| Camphene† | < LOQ | 0.020 | 0.00% | | cis-β-Ocimene† | < LOQ | 0.006 | 0.00% | | | | | | |
| d-3-Carene† | < LOQ | 0.020 | 0.00% | | farnesene† | < LOQ | 0.020 | 0.00% | | | | | | |
| gamma-Terpinene† | < LOQ | 0.020 | 0.00% | | Geraniol† | < LOQ | 0.020 | 0.00% | | | | | | |
| Geranyl acetate† | < LOQ | 0.020 | 0.00% | | Humulene† | < LOQ | 0.020 | 0.00% | | | | | | |
| Linalool† | < LOQ | 0.020 | 0.00% | | nerol† | < LOQ | 0.020 | 0.00% | | | | | | |
| Sabinene† | < LOQ | 0.020 | 0.00% | | Sabinene hydrate† | < LOQ | 0.020 | 0.00% | | | | | | |
| β-Myrcene† | < LOQ | 0.020 | 0.00% | | Terpinolene† | < LOQ | 0.020 | 0.00% | | | | | | |
| trans-β-Ocimene† | < LOQ | 0.013 | 0.00% | | valencene† | < LOQ | 0.020 | 0.00% | | | | | | |
| Total Terpenes | 2.83 | | | | | | | | | | | | | |





Job Number: 19-010195
Report Number: 19-010195-00
Report Date: 09/24/2019
ORELAP#: OR100028
Purchase Order:
Received: 08/23/19 13:00





Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220

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.

† = Analyte not NELAP accredited.

Units of Measure

cfu/g = Colony forming units per gram

g = Gram

ml = Milliliter

% = Percentage of sample

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

Glossary of Qualifiers

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager



12423 NE Whitaker Way Portland OR 97230 p.503-254-1794

Cannabis Chain of Custody Record

19-010195

ORELAP ID: OR100028

| Company: Nirvana CBD | | Analysis Requested | | | | | | | | | | | Purchase Order Number: | | | | |
|--|---------------------|------------------------------|---|---------|-------------------|----------------|----------|----------|-----------------------|----------------------------------|--------------|------------|------------------------|--------|--------|--------------------------|--|
| Contact: Patrick Mulcahy | | Pesticides - OR 59 compounds | Pesticide Multi-Residue - 379 compounds | Potency | Residual Solvents | Water Activity | Moisture | Terpenes | Micro: Yeast and Mold | Micro: E.Coli and Total Coliform | Heavy Metals | Mycotoxins | Other | Matrix | Weight | Serving size for edibles | Project Number: |
| Address: 11258 Monarch st unit A Garden Grove CA 92641 | | | | | | | | | | | | | | | | | Project Name: |
| Email: patrick@nirvanacbd.com | | | | | | | | | | | | | | | | | <input type="checkbox"/> Report Instructions <input type="checkbox"/> Send to State - METRC <input type="checkbox"/> Email Final Results: <input type="checkbox"/> Fax Final Results <input type="checkbox"/> Cash/Check/CC/Net 30 |
| Phone: 714-343-3409 Fax: | | | | | | | | | | | | | | | | | Other: |
| Processor's License: N/A | | | | | | | | | | | | | | | | | |
| Field ID | Date/Time Collected | | | | | | | | | | | | | | | | Comments/Metric ID |
| Tincture 500mg-Vanilla | | | | X | | | | X | X | | | | | | 30ml | Tincture | TAMC, TYMC, Sa, Pa, Ec, & Sa |
| Tincture 500mg-Strawberry | | | | X | | | | X | X | | | | | | 30ml | Tincture | TAMC, TYMC, Sa, Pa, Ec, & Sa |
| Tincture 500mg-Peppermint | | | | X | | | | X | X | | | | | | 30ml | Tincture | TAMC, TYMC, Sa, Pa, Ec, & Sa |
| Tincture 500mg-Grapefruit | | | | X | | | | X | X | | | | | | 30ml | Tincture | TAMC, TYMC, Sa, Pa, Ec, & Sa |
| Body Lotion 600mg | | | | X | | | | X | X | | | | | | 100ml | Topical | TAMC, TYMC, Sa & Pa |
| Muscle Recovery Lotion 600mg | | | | X | | | | X | X | | | | | | 100ml | Topical | TAMC, TYMC, Sa & Pa |
| Roll-Oil On 150mg | | | | X | | | | X | X | | | | | | 30ml | Topical | TAMC, TYMC, Sa & Pa |

| Collected By: | Relinquished By: | Date | Time | Received by: | Date | Time | Lab Use Only: |
|---|------------------|--------|------|--------------------|---------|------|---|
| <input checked="" type="checkbox"/> Standard (5 day) <input type="checkbox"/> Rush (3-4 day) (1.5x Standard) <input type="checkbox"/> Priority Rush (2 day) (2x Standard) | Patrick Mulcahy | 8/9/19 | | <i>[Signature]</i> | 8/23/19 | 1300 | Client Alias: Order Number: Proper Container Sample Condition Temperature: 26.0 Shipped Via: Evidence of cooling: <input type="checkbox"/> No |

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Pixis quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be kept a maximum of 15 days from the report date unless prior arrangements have been made.



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

Job Number: 19-010195
Report Number: 19-010195-00
Report Date: 09/24/2019
ORELAP#: OR100028
Purchase Order:
Received: 08/23/19 13:00



12423 NE Whitaker Way Portland OR 97230 p.503-254-1794

Cannabis Chain of Custody Record

PRICING AND CHARGES

Prices to be charged for work performed for CUSTOMER are those currently published in the Columbia Food Laboratories, Inc. DBA Pixis Labs (herein referred to as "the LAB", where Columbia Food Laboratories, Inc. & Pixis Labs can be used interchangeably) standard price book unless otherwise agreed in writing by the CUSTOMER and the LAB. CUSTOMER must notify the LAB of price quotation at the time of the transfer of sample(s) to the LAB. Any cancellation of testing requirements will result in charges being assessed on all testing completed prior to the notice of cancellation. Unless otherwise agreed upon, samples containing hazardous material will be shipped back to client at their expense, or disposed of at a certain fee, waste category dependent. New accounts are accepted with full payment in advance by cash, check, Visa or Mastercard. A credit line may be established with an approved credit application.

DELIVERY AND LIABILITY LIMITATIONS

The specific format of the goods will be defined by CUSTOMER to the LAB upon delivery of the sample(s) to the LAB. The LAB will analyze samples provided by CUSTOMER as requested by CUSTOMER in accordance with the procedures documented in the Quality Assurance Plan (QAP). Samples are retained for 30 days after receipt. If additional time is desired, then a written request is required and an additional monthly fee will apply. This price quote is only valid for one year.

CONFIDENTIALITY

The LAB will treat all information regarding work performed for CUSTOMER as proprietary and confidential. No CUSTOMER information will be released to third persons without the written request of the CUSTOMER.

LIMITATION OF LIABILITY AND WARRANTY

The LAB gives no warranty, express or implied, or of fitness for a particular purpose, in connection with its analytical testing or reporting. Any liability of the LAB to CUSTOMER or any third party shall be limited to the cost of analysis charged to CUSTOMER.

PAST DUE ACCOUNTS

Credit line account are payable within 30 days. Accounts that are 60 days past due will incur 1 1/2% per month on all past due sums until paid in full and will automatically default to cash on delivery (COD). Reports will not be released unless payment on past and current invoices are received. Customer agrees to pay the interest as a service charge and all the LAB's collection costs, including reasonable attorney fees.

EXPERT TESTIMONY AND COURT APPEARANCES

In the event CUSTOMER requires the further written opinion or testimony of any employee of the LAB, including response to a subpoena issued by CUSTOMER or any third person, CUSTOMER agrees to pay such additional fees and expenses as may be reasonably assessed by the LAB.

ALTERNATIVE DISPUTE RESOLUTION (ADR)

Any disputes arising out of this Agreement or the analytical testing or reporting by the LAB shall be settled through mediation and/or arbitration rather than litigation, and the cost of the ADR shall be borne equally by both parties.

APPLICABLE LAW

Legal matters arising from work performed by the LAB for CUSTOMER will be construed and interpreted in accordance with the laws for the state of Oregon. When sending, transferring, or submitting samples, the CUSTOMER assumes full responsibility for complying with all applicable state and federal laws.



Laboratory Terpene Quality Control Results

| EPA 5035 | | | | Batch ID: 1907722 | | | | | |
|---------------------|--------|--------|-------|---------------------------|-----------|-------|-----------|----------|-------|
| Method Blank | | | | Laboratory Control Sample | | | | | |
| Analyte | Result | Blank | Notes | Result | LCS Spike | Units | LCS % Rec | Limits | Notes |
| a-pinene | ND | < 200 | | 462 | 500 | µg/g | 92.4 | 70 - 130 | |
| Camphene | ND | < 200 | | 452 | 500 | µg/g | 90.4 | 70 - 130 | |
| Sabinene | ND | < 200 | | 476 | 500 | µg/g | 95.3 | 70 - 130 | |
| b-Pinene | ND | < 200 | | 477 | 500 | µg/g | 95.3 | 70 - 130 | |
| b-Myrcene | ND | < 200 | | 458 | 500 | µg/g | 91.6 | 70 - 130 | |
| a-phellandrene | ND | < 200 | | 494 | 500 | µg/g | 98.9 | 70 - 130 | |
| d-3-Carene | ND | < 200 | | 483 | 500 | µg/g | 96.7 | 70 - 130 | |
| a-Terpinene | ND | < 200 | | 493 | 500 | µg/g | 98.5 | 70 - 130 | |
| p-Cymene | ND | < 200 | | 463 | 500 | µg/g | 92.5 | 70 - 130 | |
| D-Limonene | ND | < 200 | | 481 | 500 | µg/g | 96.2 | 70 - 130 | |
| Eucalyptol | ND | < 200 | | 435 | 500 | µg/g | 87.0 | 70 - 130 | |
| b-cis-Ocimene | ND | < 66.7 | | 134 | 167 | µg/g | 80.4 | 70 - 130 | |
| b-trans-Ocimene | ND | < 133 | | 332 | 333 | µg/g | 99.7 | 70 - 130 | |
| g-Terpinene | ND | < 200 | | 481 | 500 | µg/g | 96.1 | 70 - 130 | |
| Sabinene_Hydrate | ND | < 200 | | 472 | 500 | µg/g | 94.4 | 70 - 130 | |
| Terpinolene | ND | < 200 | | 465 | 500 | µg/g | 92.9 | 70 - 130 | |
| D-Fenchone | ND | < 200 | | 457 | 500 | µg/g | 91.3 | 70 - 130 | |
| Linalool | ND | < 200 | | 475 | 500 | µg/g | 94.9 | 70 - 130 | |
| Fenchol | ND | < 200 | | 471 | 500 | µg/g | 94.2 | 70 - 130 | |
| Camphor | ND | < 200 | | 457 | 500 | µg/g | 91.4 | 70 - 130 | |
| Isopulego | ND | < 200 | | 473 | 500 | µg/g | 94.5 | 70 - 130 | |
| Isoborneol | ND | < 200 | | 468 | 500 | µg/g | 93.6 | 70 - 130 | |
| Borneol | ND | < 200 | | 452 | 500 | µg/g | 90.5 | 70 - 130 | |
| DL-Menthol | ND | < 200 | | 485 | 500 | µg/g | 97.0 | 70 - 130 | |
| Terpineol | ND | < 200 | | 435 | 500 | µg/g | 87.1 | 70 - 130 | |
| Nerol | ND | < 200 | | 520 | 500 | µg/g | 104.0 | 70 - 130 | |
| Pulegone | ND | < 200 | | 498 | 500 | µg/g | 99.6 | 70 - 130 | |
| Geraniol | ND | < 200 | | 387 | 500 | µg/g | 77.5 | 70 - 130 | |
| Geranyl_Acetate | ND | < 200 | | 462 | 500 | µg/g | 92.3 | 70 - 130 | |
| a-Cedrene | ND | < 200 | | 468 | 500 | µg/g | 93.7 | 70 - 130 | |
| b-Caryophyllene | ND | < 200 | | 541 | 500 | µg/g | 108.2 | 70 - 130 | |
| a-Humulene | ND | < 200 | | 479 | 500 | µg/g | 95.8 | 70 - 130 | |
| Valenene | ND | < 200 | | 507 | 500 | µg/g | 101.3 | 70 - 130 | |
| cis-Nerolidol | ND | < 200 | | 522 | 500 | µg/g | 104.3 | 70 - 130 | |
| a-Farnesene | ND | < 200 | | 607 | 500 | µg/g | 121.5 | 70 - 130 | |
| trans-Nerolidol | ND | < 200 | | 479 | 500 | µg/g | 95.7 | 70 - 130 | |
| Caryophyllene_Oxide | ND | < 200 | | 484 | 500 | µg/g | 96.8 | 70 - 130 | |
| Guaiol | ND | < 200 | | 480 | 500 | µg/g | 95.9 | 70 - 130 | |
| Cedrol | ND | < 200 | | 471 | 500 | µg/g | 94.2 | 70 - 130 | |
| a-Bisabolol | ND | < 200 | | 478 | 500 | µg/g | 95.6 | 70 - 130 | |



Sample/Sample Duplicate Sample ID: 19-009851-0006

| Analyte | Result | Org. Result | LOQ | Units | RPD, % | Sample Duplicate | % Limits | Notes |
|---------------------|--------|-------------|------|-------|--------|------------------|----------|-------|
| a-pinene | ND | ND | 200 | µg/g | 0 | < 20 | 80 - 120 | |
| Camphene | ND | ND | 200 | µg/g | 0 | < 20 | 80 - 120 | |
| Sabinene | ND | ND | 200 | µg/g | 0 | < 20 | 80 - 120 | |
| b-Pinene | ND | ND | 200 | µg/g | 0 | < 20 | 80 - 120 | |
| b-Myrcene | 342.1 | 337.7 | 200 | µg/g | 0.65 | < 20 | 80 - 120 | |
| a-phellandrene | ND | ND | 200 | µg/g | 0 | < 20 | 80 - 120 | |
| d-3-Carene | ND | ND | 200 | µg/g | 0 | < 20 | 80 - 120 | |
| a-Terpinene | ND | ND | 200 | µg/g | 0 | < 20 | 80 - 120 | |
| p-Cymene | ND | ND | 200 | µg/g | 0 | < 20 | 80 - 120 | |
| D-Limonene | 482.9 | 457.5 | 200 | µg/g | 2.70 | < 20 | 80 - 120 | |
| Eucalyptol | ND | ND | 200 | µg/g | 0 | < 20 | 80 - 120 | |
| b-cis-Ocimene | ND | ND | 66.7 | µg/g | 0 | < 20 | 80 - 120 | |
| b-trans-Ocimene | ND | ND | 133 | µg/g | 0 | < 20 | 80 - 120 | |
| g-Terpinene | ND | ND | 200 | µg/g | 0 | < 20 | 80 - 120 | |
| Sabinene_Hydrate | ND | ND | 200 | µg/g | 0 | < 20 | 80 - 120 | |
| Terpinolene | ND | ND | 200 | µg/g | 0 | < 20 | 80 - 120 | |
| D-Fenchone | ND | ND | 200 | µg/g | 0 | < 20 | 80 - 120 | |
| Linalool | ND | ND | 200 | µg/g | 0 | < 20 | 80 - 120 | |
| Fenchol | ND | ND | 200 | µg/g | 0 | < 20 | 80 - 120 | |
| Camphor | ND | ND | 200 | µg/g | 0 | < 20 | 80 - 120 | |
| Isopulego | ND | ND | 200 | µg/g | 0 | < 20 | 80 - 120 | |
| Isoborneol | ND | ND | 200 | µg/g | 0 | < 20 | 80 - 120 | |
| Borneol | ND | ND | 200 | µg/g | 0 | < 20 | 80 - 120 | |
| DL-Menthol | ND | ND | 200 | µg/g | 0 | < 20 | 80 - 120 | |
| Terpineol | ND | ND | 200 | µg/g | 0 | < 20 | 80 - 120 | |
| Nerol | ND | ND | 200 | µg/g | 0 | < 20 | 80 - 120 | |
| Pulegone | ND | ND | 200 | µg/g | 0 | < 20 | 80 - 120 | |
| Geraniol | ND | ND | 200 | µg/g | 0 | < 20 | 80 - 120 | |
| Geranyl_Acetate | ND | ND | 200 | µg/g | 0 | < 20 | 80 - 120 | |
| a-Cedrene | ND | ND | 200 | µg/g | 0 | < 20 | 80 - 120 | |
| b-Caryophyllene | 1760 | 1748 | 200 | µg/g | 0.34 | < 20 | 80 - 120 | |
| a-Humulene | ND | ND | 200 | µg/g | 0 | < 20 | 80 - 120 | |
| Valenene | ND | ND | 200 | µg/g | 0 | < 20 | 80 - 120 | |
| cis-Nerolidol | ND | ND | 200 | µg/g | 0 | < 20 | 80 - 120 | |
| a-Farnesene | ND | ND | 200 | µg/g | 0 | < 20 | 80 - 120 | |
| trans-Nerolidol | ND | ND | 200 | µg/g | 0 | < 20 | 80 - 120 | |
| Caryophyllene_Oxide | ND | ND | 200 | µg/g | 0 | < 20 | 80 - 120 | |
| Guaiol | ND | ND | 200 | µg/g | 0 | < 20 | 80 - 120 | |
| Cedrol | ND | ND | 200 | µg/g | 0 | < 20 | 80 - 120 | |
| a-Bisabolol | ND | ND | 200 | µg/g | 0 | < 20 | 80 - 120 | |



Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 1907845**

| Laboratory Control Sample | | | | | | | | | |
|---------------------------|---------|-------|-------|-------|--------|---|-----|------------|-------|
| Analyte | Result | Spike | Units | % Rec | Limits | | | Evaluation | Notes |
| CBDV-A | 0.00947 | 0.01 | % | 94.7 | 85 | - | 115 | Acceptable | |
| CBDV | 0.00935 | 0.01 | % | 93.5 | 85 | - | 115 | Acceptable | |
| CBD-A | 0.00951 | 0.01 | % | 95.1 | 85 | - | 115 | Acceptable | |
| CBG-A | 0.00941 | 0.01 | % | 94.1 | 85 | - | 115 | Acceptable | |
| CBG | 0.00939 | 0.01 | % | 93.9 | 85 | - | 115 | Acceptable | |
| CBD | 0.00978 | 0.01 | % | 97.8 | 85 | - | 115 | Acceptable | |
| THCV | 0.00943 | 0.01 | % | 94.3 | 85 | - | 115 | Acceptable | |
| THCVA | 0.00940 | 0.01 | % | 94.0 | 85 | - | 115 | Acceptable | |
| CBN | 0.00976 | 0.01 | % | 97.6 | 85 | - | 115 | Acceptable | |
| THC | 0.00955 | 0.01 | % | 95.5 | 85 | - | 115 | Acceptable | |
| D8THC | 0.00937 | 0.01 | % | 93.7 | 85 | - | 115 | Acceptable | |
| CBL | 0.00962 | 0.01 | % | 96.2 | 85 | - | 115 | Acceptable | |
| CBC | 0.00945 | 0.01 | % | 94.5 | 85 | - | 115 | Acceptable | |
| THCA | 0.00967 | 0.01 | % | 96.7 | 85 | - | 115 | Acceptable | |
| CBCA | 0.00931 | 0.01 | % | 93.1 | 85 | - | 115 | Acceptable | |

Method Blank

| Analyte | Result | LOQ | Units | Limits | | | Evaluation | Notes |
|---------|--------|-------|-------|---------|--|--|------------|-------|
| CBDV-A | ND | 0.003 | % | < 0.003 | | | Acceptable | |
| CBDV | ND | 0.003 | % | < 0.003 | | | Acceptable | |
| CBD-A | ND | 0.003 | % | < 0.003 | | | Acceptable | |
| CBG-A | ND | 0.003 | % | < 0.003 | | | Acceptable | |
| CBG | ND | 0.003 | % | < 0.003 | | | Acceptable | |
| CBD | ND | 0.003 | % | < 0.003 | | | Acceptable | |
| THCV | ND | 0.003 | % | < 0.003 | | | Acceptable | |
| THCVA | ND | 0.003 | % | < 0.003 | | | Acceptable | |
| CBN | ND | 0.003 | % | < 0.003 | | | Acceptable | |
| THC | ND | 0.003 | % | < 0.003 | | | Acceptable | |
| D8THC | ND | 0.003 | % | < 0.003 | | | Acceptable | |
| CBL | ND | 0.003 | % | < 0.003 | | | Acceptable | |
| CBC | ND | 0.003 | % | < 0.003 | | | Acceptable | |
| THCA | ND | 0.003 | % | < 0.003 | | | Acceptable | |
| CBCA | ND | 0.003 | % | < 0.003 | | | Acceptable | |

Abbreviations

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

Units of Measure:

% - Percent



| J AOAC 2015 V98-6 | | Batch ID: 1907845 | | | | | | |
|-------------------|---------|---------------------------|-------|-------|------|--------|------------|-------|
| Sample Duplicate | | Sample ID: 19-010155-0001 | | | | | | |
| Analyte | Result | Org. Result | LOQ | Units | RPD | Limits | Evaluation | Notes |
| CBDV-A | ND | ND | 0.003 | % | 0 | < 20 | Acceptable | |
| CBDV | ND | ND | 0.003 | % | 0 | < 20 | Acceptable | |
| CBD-A | ND | ND | 0.003 | % | 0 | < 20 | Acceptable | |
| CBG-A | ND | ND | 0.003 | % | 0 | < 20 | Acceptable | |
| CBG | ND | ND | 0.003 | % | 0 | < 20 | Acceptable | |
| CBD | 0.0174 | 0.0145 | 0.003 | % | 18.2 | < 20 | Acceptable | |
| THCV | ND | ND | 0.003 | % | 0 | < 20 | Acceptable | |
| THCVA | ND | ND | 0.003 | % | 0 | < 20 | Acceptable | |
| CBN | ND | ND | 0.003 | % | 0 | < 20 | Acceptable | |
| THC | 0.00537 | 0.00450 | 0.003 | % | 17.6 | < 20 | Acceptable | |
| D8THC | ND | ND | 0.003 | % | 0 | < 20 | Acceptable | |
| CBL | ND | ND | 0.003 | % | 0 | < 20 | Acceptable | |
| CBC | ND | ND | 0.003 | % | 0 | < 20 | Acceptable | |
| THCA | 0.0167 | 0.0142 | 0.003 | % | 16.2 | < 20 | Acceptable | |
| CBCA | ND | ND | 0.003 | % | 0 | < 20 | Acceptable | |

Abbreviations

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

Units of Measure:

% - Percent



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. |