



This report cannot be used for ODA, OHA or OLCC compliance requirements.

Product identity: Tincture 500mg Grapefruit
Laboratory ID: 19-009812-0012

Client/Metric ID: .
Sample Date:

Summary

Potency:

| Analyte per 30g | Result | Limits | Units | LOQ | |
|---------------------------|--------|--------|--------|------|--------------------------------------|
| CBC per 30g [†] | 1.50 | | mg/30g | 1.00 | CBD-Total per 30g 579 mg/30g |
| CBD per 30g | 579 | | mg/30g | 1.00 | THC-Total per 30g < 1.878 mg/30g |
| CBDV per 30g [†] | 3.36 | | mg/30g | 1.00 | (Reported in milligrams per serving) |
| CBL per 30g [†] | 1.12 | | mg/30g | 1.00 | |

Terpenes:

| Analyte | Percent by weight | Analyte | Percent by weight |
|-----------------------------------|-------------------|------------------------|-------------------|
| (R)-(+)-Limonene [†] | 9.86 | β-Myrcene [†] | 0.158 |
| α-Bisabolol [†] | 0.0508 | α-pinene [†] | 0.0482 |
| β-Caryophyllene [†] | 0.0396 | Sabinene [†] | 0.0363 |
| Total Terpenes[†] | 10.2 | | |



This report cannot be used for ODA, OHA or OLCC compliance requirements.

Customer: Nirvana CBD

Product identity: Tincture 500mg Grapefruit
Client/Metric ID: .
Sample Date:
Laboratory ID: 19-009812-0012
Relinquished by: Patrick Mulcahy
Temp: 26.6 °C
Serving Size #1: 30 g

Sample Results

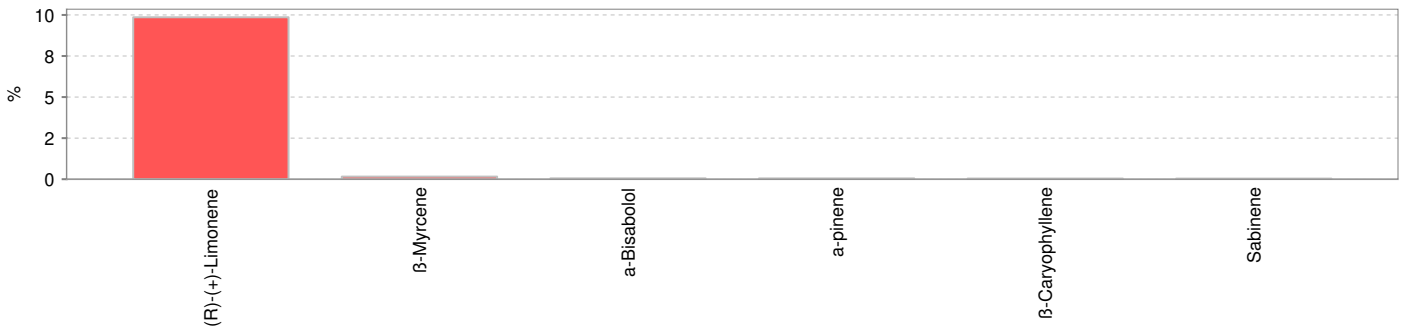
| Potency per 30g | | Batch: 1907558 | | | | | |
|---------------------------------|--------|----------------|--------|-------|----------|-------------------|-------|
| Analyte | Result | Limits | Units | LOQ | Analyze | Method | Notes |
| CBC per 30g [†] | 1.50 | | mg/30g | 1.000 | 08/22/19 | J AOAC 2015 V98-6 | |
| CBC-A per 30g [†] | < LOQ | | mg/30g | 1.000 | 08/22/19 | J AOAC 2015 V98-6 | |
| CBC-Total per 30g [†] | < LOQ | | mg/30g | 1.88 | 08/22/19 | J AOAC 2015 V98-6 | |
| CBD per 30g | 579 | | mg/30g | 1.000 | 08/22/19 | J AOAC 2015 V98-6 | |
| CBD-A per 30g | < LOQ | | mg/30g | 1.000 | 08/22/19 | J AOAC 2015 V98-6 | |
| CBD-Total per 30g | 579 | | mg/30g | 1.88 | 08/22/19 | J AOAC 2015 V98-6 | |
| CBDV per 30g [†] | 3.36 | | mg/30g | 1.000 | 08/22/19 | J AOAC 2015 V98-6 | |
| CBDV-A per 30g [†] | < LOQ | | mg/30g | 1.000 | 08/22/19 | J AOAC 2015 V98-6 | |
| CBDV-Total per 30g [†] | 3.36 | | mg/30g | 1.87 | 08/22/19 | J AOAC 2015 V98-6 | |
| CBG per 30g [†] | < LOQ | | mg/30g | 1.000 | 08/22/19 | J AOAC 2015 V98-6 | |
| CBG-A per 30g [†] | < LOQ | | mg/30g | 1.000 | 08/22/19 | J AOAC 2015 V98-6 | |
| CBG-Total per 30g [†] | < LOQ | | mg/30g | 1.88 | 08/22/19 | J AOAC 2015 V98-6 | |
| CBL per 30g [†] | 1.12 | | mg/30g | 1.000 | 08/22/19 | J AOAC 2015 V98-6 | |
| CBN per 30g | < LOQ | | mg/30g | 1.000 | 08/22/19 | J AOAC 2015 V98-6 | |
| Δ8-THC per 30g [†] | < LOQ | | mg/30g | 1.000 | 08/22/19 | J AOAC 2015 V98-6 | |
| Δ9-THC per 30g | < LOQ | | mg/30g | 1.000 | 08/22/19 | J AOAC 2015 V98-6 | |
| THC-A per 30g | < LOQ | | mg/30g | 1.000 | 08/22/19 | J AOAC 2015 V98-6 | |
| THC-Total per 30g | < LOQ | | mg/30g | 1.88 | 08/22/19 | J AOAC 2015 V98-6 | |
| THCV per 30g [†] | < LOQ | | mg/30g | 1.000 | 08/22/19 | J AOAC 2015 V98-6 | |
| THCV-A per 30g [†] | < LOQ | | mg/30g | 1.000 | 08/22/19 | J AOAC 2015 V98-6 | |
| THCV-Total per 30g [†] | < LOQ | | mg/30g | 1.87 | 08/22/19 | J AOAC 2015 V98-6 | |



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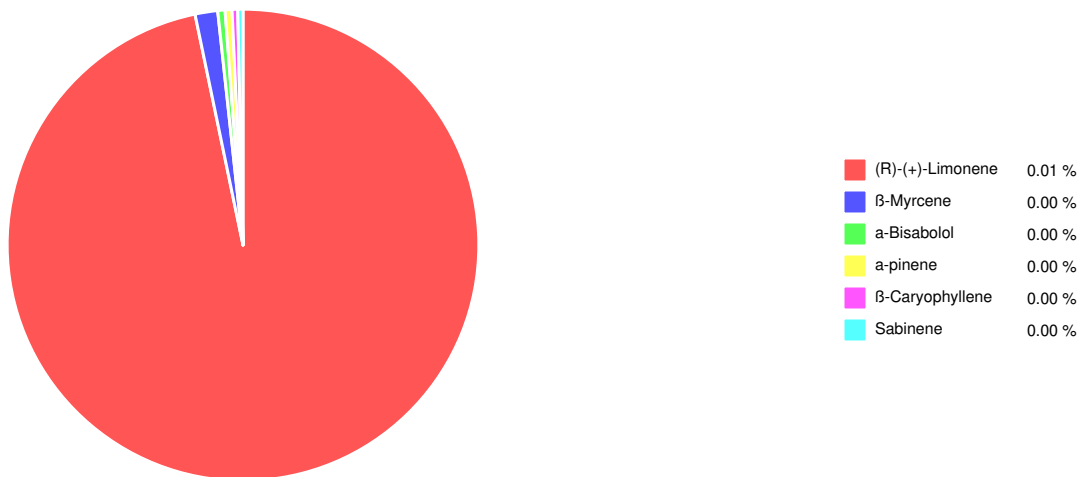
| Terpenes | | | | Method J AOAC 2015 V98-6 | Units % | Batch 1907400 | Analyze 08/16/19 01:53 PM |
|----------------------------------|--------|-------|-------|--------------------------------------|---------|---------------|---------------------------|
| Analyte | Result | LOQ | Notes | Analyte | Result | LOQ | Notes |
| (R)-(+)-Limonene [†] | 9.86 | 0.020 | | β-Myrcene [†] | 0.158 | 0.020 | |
| α-Bisabolol [†] | 0.0508 | 0.020 | | α-pinene [†] | 0.0482 | 0.020 | |
| β-Caryophyllene [†] | 0.0396 | 0.020 | | Sabinene [†] | 0.0363 | 0.020 | |
| (-)-α-Terpineol [†] | < LOQ | 0.020 | | (-)-caryophyllene oxide [†] | < LOQ | 0.020 | |
| (-)-Guaiol [†] | < LOQ | 0.020 | | (-)-Isopulegol [†] | < LOQ | 0.020 | |
| (-)-β-Pinene [†] | < LOQ | 0.020 | | (+)-Borneol [†] | < LOQ | 0.020 | |
| (+)-Cedrol [†] | < LOQ | 0.020 | | (+)-fenchol [†] | < LOQ | 0.020 | |
| (+)-Pulegone [†] | < LOQ | 0.020 | | (±)-Camphor [†] | < LOQ | 0.020 | |
| (±)-cis-Nerolidol [†] | < LOQ | 0.020 | | (±)-fenchone [†] | < LOQ | 0.020 | |
| (±)-trans-Nerolidol [†] | < LOQ | 0.020 | | α-cedrene [†] | < LOQ | 0.020 | |
| α-phellandrene [†] | < LOQ | 0.020 | | α-Terpinene [†] | < LOQ | 0.020 | |
| Camphene [†] | < LOQ | 0.020 | | cis-β-Ocimene [†] | < LOQ | 0.006 | |
| d-3-Carene [†] | < LOQ | 0.020 | | Eucalyptol [†] | < LOQ | 0.020 | |
| farnesene [†] | < LOQ | 0.020 | | γ-Terpinene [†] | < LOQ | 0.020 | |
| Geraniol [†] | < LOQ | 0.020 | | Geranyl acetate [†] | < LOQ | 0.020 | |
| Humulene [†] | < LOQ | 0.020 | | Isoborneol [†] | < LOQ | 0.020 | |
| Linalool [†] | < LOQ | 0.020 | | Menthol [†] | < LOQ | 0.020 | |
| nerol [†] | < LOQ | 0.020 | | p-Cymene [†] | < LOQ | 0.020 | |
| Sabinene hydrate [†] | < LOQ | 0.020 | | Terpinolene [†] | < LOQ | 0.020 | |
| trans-β-Ocimene [†] | < LOQ | 0.013 | | valencene [†] | < LOQ | 0.020 | |

Total Terpenes 10.2





This report cannot be used for ODA, OHA or OLCC compliance requirements.





This report cannot be used for ODA, OHA or OLCC compliance requirements.

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

g = Gram

mg/30g = Milligram per 30g

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



This report cannot be used for ODA, OHA or OLCC compliance requirements.

12423 NE Whitaker Way Portland OR 97230 p.503-254-1794 **Cannabis Chain of Custody R** NIRVANACBD 19-009812 **PIXIS Labs**
A Tentamus Company AP ID: OR100028

| | | | | | | | | | | | | | | | | | | | |
|--|---------------------|------------------------------|---|--------------------------|--------------------|----------------|----------|----------|-----------------------|----------------------------------|--------------|------------|------------------------|--|--|--|-----------------|--|--|
| Company: Nirvana CBD | | Analysis Request | | | | | | | | | | | Purchase Order Number: | | | | | | |
| Contact: Patrick Mulcahy | | Pesticides - OR 59 compounds | Pesticide Multi-Residue - 375 compounds | Potency | Residual Solvents | Water Activity | Moisture | Terpenes | Micro: Yeast and Mold | Micro: E.Coli and Total Coliform | Heavy Metals | Mycotoxins | Other | Topicals: TAMC, TYMC, Sa & Pa | | | Project Number: | | |
| Address: 11258 Monarch st unit A Garden Grove CA 92841 | | | | | | | | | | | | | | Edibles/ tinctures/Ingestible: TAMC, TYMC, Sa, Pa, Ec, & Sa | | | Project Name: | | |
| Email: patrick@nirvancbd.com | | | | | | | | | | | | | | <input type="checkbox"/> Report Instructions: <input type="checkbox"/> Send to State - METRC <input checked="" type="checkbox"/> Email Final Results: <input type="checkbox"/> Fax Final Results <input type="checkbox"/> Cash/Check/CC/Net 30 Other: | | | | | |
| Phone: 714-343-3409 Fax: | | | | | | | | | | | | | | | | | | | |
| Processor's License: N/A | | | | | | | | | | | | | | | | | | | |
| Field ID | Date/Time Collected | Matrix | Weight | Serving size for edibles | Comments/Metric ID | | | | | | | | | | | | | | |
| 1 Gummy-25mg | | Edible | 8g | 1 | | | | | | | | | | | | | | | |
| 2ml Dram-33mg-Vanilla | | Tinctur | 2ml | 1 | | | | | | | | | | | | | | | |
| 2ml Dram-33mg-Strawberry | | Tinctur | 2ml | 1 | | | | | | | | | | | | | | | |
| 2ml Dram-33mg-Peppermint | | Tinctur | 2ml | 1 | | | | | | | | | | | | | | | |
| 2ml Dram-33mg-Grapefruit | | Tinctur | 2ml | 1 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

| | | | | | | | |
|---|------------------------|---------------|------|--------------|-----------------|--------------|--|
| 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>PK</i> | 08/15/19 | 10:54 | Client Alias: Order Number: <input checked="" type="checkbox"/> Proper Container <input checked="" type="checkbox"/> Sample Condition Temperature: <i>24.6</i> Shipped Via: <i>UPS</i> Evidence of cooling: <input checked="" type="checkbox"/> No |

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO PIXIS WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THIS FORM
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Page 1 of 24
BM 8/16/19

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.



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

Cannabis Chain of Custody Re

NIRVANACBD 19-009812



P ID: OR100028

| | | | | | | | | | | | | | | | | | |
|--|---------------------|------------------------------|---|---------|-------------------|----------------|----------|----------|-----------------------|----------------------------------|--------------|-------------|-------|--|--------|--------------------------|--------------------|
| Company: Nirvana CBD | | Analysis Request | | | | | | | | | | Nirvana CBD | | Purchase Order Number: | | | |
| Contact: Patrick Mulcahy | | | | | | | | | | | | | | Project Number: | | | |
| Address: 11258 Monarch st unit A Garden Grove CA 92641 | | | | | | | | | | | | | | Project Name: | | | |
| Email: patrick@nirvancbd.com | | | | | | | | | | | | | | <input type="checkbox"/> Report Instructions: <input type="checkbox"/> Send to State - METRC <input checked="" type="checkbox"/> Email Final Results: <input type="checkbox"/> Fax Final Results <input type="checkbox"/> Cash/Check/CC/Net 30 Other: | | | |
| Phone: 714-343-3409 Fax: | | | | | | | | | | | | | | | | | |
| Processor's License: N/A | | | | | | | | | | | | | | | | | |
| Field ID | Date/Time Collected | 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 | Comments/Metric ID |
| 2 Tincture 1000mg-Vanilla | | | | X | | | | X | | | | | | Tinctur | 30ml | | |
| 3 Tincture 1000mg-Strawberry | | | | X | | | | X | | | | | | Tinctur | 30ml | | |
| 4 Tincture 1000mg-Peppermint | | | | X | | | | X | | | | | | Tinctur | 30ml | | |
| 5 Tincture 1000mg-Grapefruit | | | | X | | | | X | | | | | | Tinctur | 30ml | | |
| 6 Gel Caps Sleep-25mg | | | | X | | | | X | | | | | | Gel Ca | 75CC | | |
| 7 Gel Caps Recovery-25mg | | | | X | | | | X | | | | | | Gel Ca | 75CC | | |
| 8 Gel Caps Natural-25mg | | | | X | | | | X | | | | | | Gel Ca | 75CC | | |

| | | | | | | | |
|---|------------------|--------|------|--------------|----------|-------|---|
| 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>PK</i> | 08/15/19 | 10:54 | Client Alias: Order Number: Proper Container Sample Condition Temperature: <i>26.0</i> Shipped Via: <i>UPS</i> Evidence of cooling: <input type="checkbox"/> No |

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Page 1 of 2
8/21/19
8:16:15

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12423 NE Whitaker Way Portland OR 97230 p.503-254-1794
NIRVANACBD 19-009812
Cannabis Chain of Custody Rec

Company: **Nirvana CBD**
Contact: **Patrick Mulcahy**
Address: 11258 Monarch st unit A Garden Grove CA 92841
Email: **patrick@nirvanacbd.com**
Phone: **714-343-3409** Fax:
Processor's License: **N/A**

Analysis Requested Nirvana CBD

| Field ID | Date/Time Collected | 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 | Comments/Metric ID |
|------------------------------|---------------------|------------------------------|---|---------|-------------------|----------------|----------|----------|-----------------------|-----------------------------------|--------------|------------|-------|---------|--------|--------------------------|--------------------|
| Tincture 500mg-Vanilla | | | X | | | | X | | | | | | | Tinctur | 30ml | | |
| Tincture 500mg-Strawberry | | | X | | | | X | | | | | | | Tinctur | 30ml | | |
| Tincture 500mg-Peppermint | | | X | | | | X | | | | | | | Tinctur | 30ml | | |
| Tincture 500mg-Grapefruit | | | X | | | | X | | | | | | | Tinctur | 30ml | | |
| Body Lotion 600mg | | | X | | | | X | | | | | | | Topical | 100ml | | |
| Muscle Recovery Lotion 600mg | | | X | | | | X | | | | | | | Topical | 100ml | | |
| Roll-Oil On 150mg | | | X | | | | X | | | | | | | Topical | 30ml | | |

Collected By: Standard (5 day)
 Rush (3-4 day) (1.5x Standard)
 Priority Rush (2 day) (2x Standard)

Relinquished By: **Patrick Mulcahy** Date: **8/9/19** Time: **LR**

Received by: **LR** Date: **08/15/19** Time: **10:54**

Lab Use Only:
Client Alias:
Order Number:
Proper Container:
Sample Condition:
Temperature: **26.0**
Shipped Via: **UPS**
Evidence of cooling: No

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO PIXIS WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THIS FORM
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Effective 04/29/2019 Revised 04/29/2019
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Nirvana Food/PIXIS Labs
Sample Receipt Form

Revision: 1.00 Document Control: CF015
Revised: 04/25/2019 Effective: 05/11/2019

Job Number: Nirvana CBD Search Name: _____

Package/Cooler opened on (if different than received date/time) Date: 8/15/19 Time: 10:54

Received By (Initials): *JK*

- 1) Were custody seals on outside of the package/cooler?
If YES, how many and where? YES NO NA
- Were signature and date correct? ----- YES NO NA
- 2) Were custody papers included in the package/cooler? YES NO NA
- 3) Were custody papers properly filled out (ink, sign, date)? YES NO NA
- 4) Did you sign custody papers in the appropriate place? YES NO NA
- 5) How was the package/cooler delivered?

| | | | | | |
|--------------------------------------|-----------------------------|----------------------------|------------------------------|-------------------------------|------------------------------------|
| <input checked="" type="radio"/> UPS | <input type="radio"/> FEDEX | <input type="radio"/> USPS | <input type="radio"/> CLIENT | <input type="radio"/> COURIER | <input type="radio"/> OTHER: _____ |
|--------------------------------------|-----------------------------|----------------------------|------------------------------|-------------------------------|------------------------------------|

Tracking Number (written in or copy of shipping label): 1Z44Y638 03 3825 2931
- 6) Was packing material used? YES NO NA

| | | | | |
|---------|-------------|------|--|--------------|
| Peanuts | Bubble Wrap | Foam | <input checked="" type="radio"/> Paper | Other: _____ |
|---------|-------------|------|--|--------------|
- 7) Was sufficient ice used (if appropriate)? YES NO NA

| | | | | |
|----------|-----|--------------|---------|-------------|
| Blue Ice | Ice | Cooler Packs | Dry Ice | <i>none</i> |
|----------|-----|--------------|---------|-------------|
- 8) Were all sample containers sealed in separate plastic bags? YES NO NA
- 9) Did all sample containers arrive in good condition? YES NO NA
- 10) Were all sample container labels complete? YES NO NA
- 11) Did all sample container labels and tags agree with the coc? YES NO NA
- 12) Were correct sample containers used for the tests indicated? YES NO NA
- 13) Were VOA vials checked for absence of air bubbles (note if found)? YES NO NA
- 14) Was a sufficient amount of sample sent in each sample container? YES NO NA
- 15) Temperature of the samples upon receipt (See SOP for proper temps) *22.6°C*
- 16) Sample location prior to login: R25 R39 R44 *R44* Ambient Shelf Cannabis Table Other: _____

Explain any discrepancies: *NO COC no relinquish time, samples on coc that weren't in package*

Page 4 of 4

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Laboratory Terpene Quality Control Results

| EPA 5035 | | | | Batch ID: 306 | | | | | |
|---------------------|--------|--------|-------|---------------------------|-----------|-------|-----------|----------|-------|
| Method Blank | | | | Laboratory Control Sample | | | | | |
| Analyte | Result | Blank | Notes | Result | LCS Spike | Units | LCS % Rec | Limits | Notes |
| a-pinene | ND | < 200 | | 421 | 500 | µg/g | 84.3 | 70 - 130 | |
| Camphene | ND | < 200 | | 427 | 500 | µg/g | 85.3 | 70 - 130 | |
| Sabinene | ND | < 200 | | 408 | 500 | µg/g | 81.7 | 70 - 130 | |
| b-Pinene | ND | < 200 | | 421 | 500 | µg/g | 84.2 | 70 - 130 | |
| b-Myrcene | ND | < 200 | | 429 | 500 | µg/g | 85.8 | 70 - 130 | |
| a-phellandrene | ND | < 200 | | 456 | 500 | µg/g | 91.2 | 70 - 130 | |
| d-3-Carene | ND | < 200 | | 459 | 500 | µg/g | 91.8 | 70 - 130 | |
| a-Terpinene | ND | < 200 | | 441 | 500 | µg/g | 88.1 | 70 - 130 | |
| p-Cymene | ND | < 200 | | 433 | 500 | µg/g | 86.6 | 70 - 130 | |
| D-Limonene | ND | < 200 | | 444 | 500 | µg/g | 88.7 | 70 - 130 | |
| Eucalyptol | ND | < 200 | | 429 | 500 | µg/g | 85.7 | 70 - 130 | |
| b-cis-Ocimene | ND | < 66.7 | | 138 | 167 | µg/g | 82.8 | 70 - 130 | |
| b-trans-Ocimene | ND | < 133 | | 303 | 333 | µg/g | 90.9 | 70 - 130 | |
| g-Terpinene | ND | < 200 | | 433 | 500 | µg/g | 86.7 | 70 - 130 | |
| Sabinene_Hydrate | ND | < 200 | | 380 | 500 | µg/g | 76.0 | 70 - 130 | |
| Terpinolene | ND | < 200 | | 409 | 500 | µg/g | 81.8 | 70 - 130 | |
| D-Fenchone | ND | < 200 | | 427 | 500 | µg/g | 85.3 | 70 - 130 | |
| Linalool | ND | < 200 | | 414 | 500 | µg/g | 82.8 | 70 - 130 | |
| Fenchol | ND | < 200 | | 427 | 500 | µg/g | 85.4 | 70 - 130 | |
| Camphor | ND | < 200 | | 398 | 500 | µg/g | 79.6 | 70 - 130 | |
| Isopulego | ND | < 200 | | 416 | 500 | µg/g | 83.2 | 70 - 130 | |
| Isoborneol | ND | < 200 | | 436 | 500 | µg/g | 87.1 | 70 - 130 | |
| Borneol | ND | < 200 | | 419 | 500 | µg/g | 83.8 | 70 - 130 | |
| DL-Menthol | ND | < 200 | | 436 | 500 | µg/g | 87.2 | 70 - 130 | |
| Terpineol | ND | < 200 | | 359 | 500 | µg/g | 71.8 | 70 - 130 | |
| Nerol | ND | < 200 | | 450 | 500 | µg/g | 90.0 | 70 - 130 | |
| Pulegone | ND | < 200 | | 436 | 500 | µg/g | 87.2 | 70 - 130 | |
| Geraniol | ND | < 200 | | 389 | 500 | µg/g | 77.9 | 70 - 130 | |
| Geranyl_Acetate | ND | < 200 | | 425 | 500 | µg/g | 85.1 | 70 - 130 | |
| a-Cedrene | ND | < 200 | | 418 | 500 | µg/g | 83.7 | 70 - 130 | |
| b-Caryophyllene | ND | < 200 | | 483 | 500 | µg/g | 96.6 | 70 - 130 | |
| a-Humulene | ND | < 200 | | 436 | 500 | µg/g | 87.2 | 70 - 130 | |
| Valenene | ND | < 200 | | 437 | 500 | µg/g | 87.5 | 70 - 130 | |
| cis-Nerolidol | ND | < 200 | | 455 | 500 | µg/g | 91.0 | 70 - 130 | |
| a-Farnesene | ND | < 200 | | 572 | 500 | µg/g | 114.3 | 70 - 130 | |
| trans-Nerolidol | ND | < 200 | | 405 | 500 | µg/g | 81.0 | 70 - 130 | |
| Caryophyllene_Oxide | ND | < 200 | | 398 | 500 | µg/g | 79.5 | 70 - 130 | |
| Guaiaol | ND | < 200 | | 402 | 500 | µg/g | 80.4 | 70 - 130 | |
| Cedrol | ND | < 200 | | 408 | 500 | µg/g | 81.6 | 70 - 130 | |
| a-Bisabolol | ND | < 200 | | 417 | 500 | µg/g | 83.3 | 70 - 130 | |



This report cannot be used for ODA, OHA or OLCC compliance requirements.

| Sample/Sample Duplicate | | Sample ID: 19-009812-0001 | | | | | | |
|-------------------------|--------|---------------------------|------|-------|--------|------------------|----------|-------|
| 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 | ND | ND | 200 | µg/g | 0 | < 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 | ND | ND | 200 | µg/g | 0 | < 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 | |
| Gereniol | 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 | ND | ND | 200 | µg/g | 0 | < 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 | |



This report cannot be used for ODA, OHA or OLCC compliance requirements.

Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 1907558**

| Laboratory Control Sample | | | | | | | | |
|---------------------------|---------|-------|-------|-------|----------|------------|-------|--|
| Analyte | Result | Spike | Units | % Rec | Limits | Evaluation | Notes | |
| CBDV-A | 0.00889 | 0.01 | % | 88.9 | 85 - 115 | Acceptable | | |
| CBDV | 0.00891 | 0.01 | % | 89.1 | 85 - 115 | Acceptable | | |
| CBD-A | 0.00897 | 0.01 | % | 89.7 | 85 - 115 | Acceptable | | |
| CBG-A | 0.00881 | 0.01 | % | 88.1 | 85 - 115 | Acceptable | | |
| CBG | 0.00893 | 0.01 | % | 89.3 | 85 - 115 | Acceptable | | |
| CBD | 0.00929 | 0.01 | % | 92.9 | 85 - 115 | Acceptable | | |
| THCV | 0.00877 | 0.01 | % | 87.7 | 85 - 115 | Acceptable | | |
| THCVA | 0.00920 | 0.01 | % | 92.0 | 85 - 115 | Acceptable | | |
| CBN | 0.00927 | 0.01 | % | 92.7 | 85 - 115 | Acceptable | | |
| THC | 0.00904 | 0.01 | % | 90.4 | 85 - 115 | Acceptable | | |
| D8THC | 0.00861 | 0.01 | % | 86.1 | 85 - 115 | Acceptable | | |
| CBL | 0.00882 | 0.01 | % | 88.2 | 85 - 115 | Acceptable | | |
| CBC | 0.00914 | 0.01 | % | 91.4 | 85 - 115 | Acceptable | | |
| THCA | 0.00960 | 0.01 | % | 96.0 | 85 - 115 | Acceptable | | |
| CBCA | 0.00852 | 0.01 | % | 85.2 | 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



This report cannot be used for ODA, OHA or OLCC compliance requirements.

| J AOAC 2015 V98-6 | | Batch ID: 1907558 | | | | | | |
|-------------------|---------|---------------------------|-------|-------|-------|--------|------------|-------|
| Sample Duplicate | | Sample ID: 19-009812-0002 | | | | | | |
| Analyte | Result | Org. Result | LOQ | Units | RPD | Limits | Evaluation | Notes |
| CBDV-A | ND | ND | 0.003 | % | 0 | < 20 | Acceptable | |
| CBDV | 0.0167 | 0.0167 | 0.003 | % | 0 | < 20 | Acceptable | |
| CBD-A | ND | ND | 0.003 | % | 0 | < 20 | Acceptable | |
| CBG-A | ND | ND | 0.003 | % | 0 | < 20 | Acceptable | |
| CBG | 0.00542 | 0.00538 | 0.003 | % | 0.741 | < 20 | Acceptable | |
| CBD | 3.38 | 3.35 | 0.003 | % | 0.892 | < 20 | Acceptable | |
| THCV | ND | ND | 0.003 | % | 0 | < 20 | Acceptable | |
| THCVA | ND | ND | 0.003 | % | 0 | < 20 | Acceptable | |
| CBN | 0.00705 | 0.00706 | 0.003 | % | 0.142 | < 20 | Acceptable | |
| THC | 0.00638 | 0.00637 | 0.003 | % | 0.157 | < 20 | Acceptable | |
| D8THC | ND | ND | 0.003 | % | 0 | < 20 | Acceptable | |
| CBL | ND | ND | 0.003 | % | 0 | < 20 | Acceptable | |
| CBC | 0.0296 | 0.0296 | 0.003 | % | 0 | < 20 | Acceptable | |
| THCA | ND | ND | 0.003 | % | 0 | < 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



This report cannot be used for ODA, OHA or OLCC compliance requirements.

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. |