



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

**Product identity:** Gel Caps Sleep 25mg  
**Laboratory ID:** 19-009812-0006

**Client/Metric ID:** .  
**Sample Date:**

**Summary**

**Potency:**

Analyte per 1g	Result	Limits	Units	LOQ	
CBD per 1g	55.0		mg/1g	0.03	CBD-Total per 1g 55.0 mg/1g
CBDV per 1g†	0.568		mg/1g	0.03	THC-Total per 1g < 0.063 mg/1g
(Reported in milligrams per serving)					

**Terpenes:**

Analyte	Percent by weight	Analyte	Percent by weight
β-Caryophyllene†	1.32	Humulene†	0.0853
(-)-caryophyllene oxide†	0.0246	(-)-Isopulegol†	0.0215
<b>Total Terpenes†</b>	<b>1.45</b>		



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

**Customer:** Nirvana CBD  
  
**Product identity:** Gel Caps Sleep 25mg  
**Client/Metric ID:** .  
**Sample Date:**  
**Laboratory ID:** 19-009812-0006  
**Relinquished by:** Patrick Mulcahy  
**Temp:** 26.6 °C  
**Serving Size #1:** 1 g

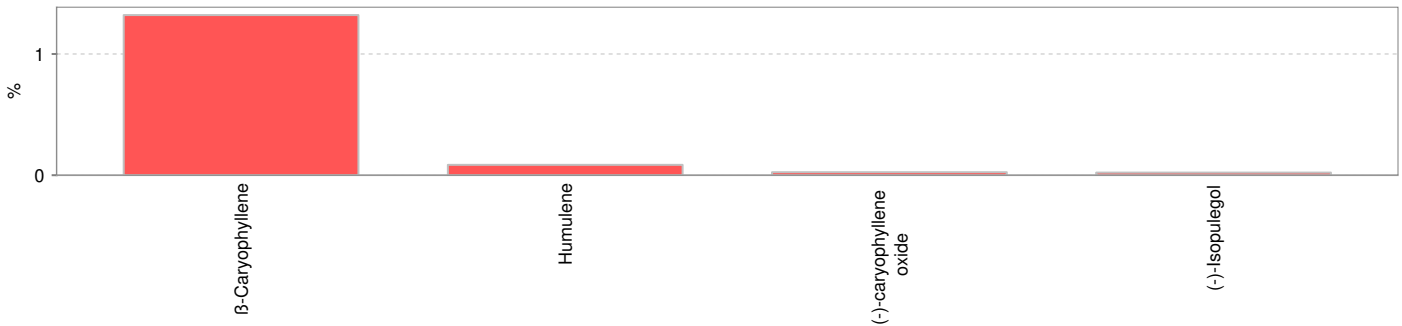
### Sample Results

Potency per 1g		Batch: 1907581					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 1g <sup>†</sup>	< LOQ		mg/1g	0.0333	08/22/19	J AOAC 2015 V98-6	
CBC-A per 1g <sup>†</sup>	< LOQ		mg/1g	0.0333	08/22/19	J AOAC 2015 V98-6	
CBC-Total per 1g <sup>†</sup>	< LOQ		mg/1g	0.0626	08/22/19	J AOAC 2015 V98-6	
CBD per 1g	55.0		mg/1g	0.0333	08/22/19	J AOAC 2015 V98-6	
CBD-A per 1g	< LOQ		mg/1g	0.0333	08/22/19	J AOAC 2015 V98-6	
CBD-Total per 1g	55.0		mg/1g	0.0626	08/22/19	J AOAC 2015 V98-6	
CBDV per 1g <sup>†</sup>	0.568		mg/1g	0.0333	08/22/19	J AOAC 2015 V98-6	
CBDV-A per 1g <sup>†</sup>	< LOQ		mg/1g	0.0333	08/22/19	J AOAC 2015 V98-6	
CBDV-Total per 1g <sup>†</sup>	0.568		mg/1g	0.0622	08/22/19	J AOAC 2015 V98-6	
CBG per 1g <sup>†</sup>	< LOQ		mg/1g	0.0333	08/22/19	J AOAC 2015 V98-6	
CBG-A per 1g <sup>†</sup>	< LOQ		mg/1g	0.0333	08/22/19	J AOAC 2015 V98-6	
CBG-Total per 1g <sup>†</sup>	< LOQ		mg/1g	0.0626	08/22/19	J AOAC 2015 V98-6	
CBL per 1g <sup>†</sup>	< LOQ		mg/1g	0.0333	08/22/19	J AOAC 2015 V98-6	
CBN per 1g	< LOQ		mg/1g	0.0333	08/22/19	J AOAC 2015 V98-6	
Δ8-THC per 1g <sup>†</sup>	< LOQ		mg/1g	0.0333	08/22/19	J AOAC 2015 V98-6	
Δ9-THC per 1g	< LOQ		mg/1g	0.0333	08/22/19	J AOAC 2015 V98-6	
THC-A per 1g	< LOQ		mg/1g	0.0333	08/22/19	J AOAC 2015 V98-6	
THC-Total per 1g	< LOQ		mg/1g	0.0626	08/22/19	J AOAC 2015 V98-6	
THCV per 1g <sup>†</sup>	< LOQ		mg/1g	0.0333	08/22/19	J AOAC 2015 V98-6	
THCV-A per 1g <sup>†</sup>	< LOQ		mg/1g	0.0333	08/22/19	J AOAC 2015 V98-6	
THCV-Total per 1g <sup>†</sup>	< LOQ		mg/1g	0.0622	08/22/19	J AOAC 2015 V98-6	



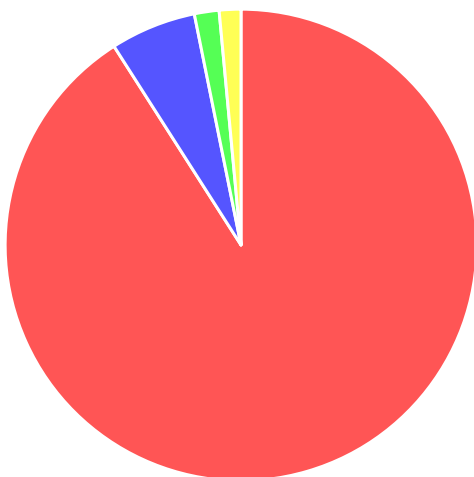
This report cannot be used for ODA, OHA or OLCC compliance requirements.

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
β-Caryophyllene†	1.32	0.020		Humulene†	0.0853	0.020	
(-)-caryophyllene oxide†	0.0246	0.020		(-)-Isopulegol†	0.0215	0.020	
(-)-α-Terpineol†	< LOQ	0.020		(-)-Guaiol†	< 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		(R)-(+)-Limonene†	< LOQ	0.020	
α-Bisabolol†	< LOQ	0.020		α-cedrene†	< LOQ	0.020	
α-phellandrene†	< LOQ	0.020		α-pinene†	< 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		Isoborneol†	< LOQ	0.020	
Linalool†	< LOQ	0.020		Menthol†	< LOQ	0.020	
nerol†	< LOQ	0.020		p-Cymene†	< LOQ	0.020	
Sabinene†	< LOQ	0.020		Sabinene hydrate†	< LOQ	0.020	
β-Myrcene†	< LOQ	0.020		Terpinolene†	< LOQ	0.020	
trans-β-Ocimene†	< LOQ	0.013		valencene†	< LOQ	0.020	
<b>Total Terpenes</b>	<b>1.45</b>						





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



β-Caryophyllene	0.01 %
Humulene	0.00 %
(-)-caryophyllene oxide	0.00 %
(-)-Isopulegol	0.00 %



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/1g = Milligram per 1g

% = 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: <b>Nirvana CBD</b>		<b>Analysis Request</b>											Nirvana CBD			Purchase Order Number:		
Contact: <b>Patrick Mulcahy</b>		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: <b>patrick@nirvancbd.com</b>																	<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	
Phone: <b>714-343-3409</b> Fax:																	Other:	
Processor's License: <b>N/A</b>														Matrix	Weight	Serving size for edibles	Comments/Metric ID	
Field ID	Date/Time Collected																	
1 Gummy-25mg				X				X						Edible	8g	1		
2ml Dram-33mg-Vanilla				X				X						Tinctur	2ml	1		
2ml Dram-33mg-Strawberry				X				X						Tinctur	2ml	1		
2ml Dram-33mg-Peppermint				X				X						Tinctur	2ml	1		
2ml Dram-33mg-Grapefruit				X				X						Tinctur	2ml	1		
				X				X										
				X				X										

Collected By:	Relinquished By:	Date	Time	Received by:	Date	Time	<b>Lab Use Only:</b>
<input checked="" type="checkbox"/> Standard (5 day)	<b>Patrick Mulcahy</b>	<b>8/9/19</b>		<i>PK</i>	<b>08/15/19</b>	<b>10:54</b>	Client Alias:
<input type="checkbox"/> Rush (3-4 day) (1.5x Standard)							Order Number:
<input type="checkbox"/> Priority Rush (2 day) (2x Standard)							Proper Container
							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

Revision: 2.00 Control#: CF023 Effective 04/29/2019 Revised 04/29/2019 [www.pixislabs.com](http://www.pixislabs.com) [www.columbiafoodlab.com](http://www.columbiafoodlab.com)

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.



NIRVANACBD 19-009812



P ID: OR100028

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

**Cannabis Chain of Custody Re**

Company: <b>Nirvana CBD</b>		<b>Analysis Request</b>										Nirvana CBD		Purchase Order Number:			
Contact: <b>Patrick Mulcahy</b>														Project Number:			
Address: 11258 Monarch st unit A Garden Grove CA 92641														Project Name:			
Email: <b>patrick@nirvancbd.com</b>														<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: <b>714-343-3409</b> Fax:																	
Processor's License: <b>N/A</b>																	
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

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  
Revision: 2.00 Control#: CF023 Effective 04/29/2019 Revised 04/29/2019  
[www.pixislabs.com](http://www.pixislabs.com)  
[www.columbiainfoodlab.com](http://www.columbiainfoodlab.com)

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

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

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.



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

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  
Revision: 2.00 Control#: CF023  
Effective 04/29/2019 Revised 04/29/2019  
www.pixislabs.com  
www.columbiafoodlab.com

Page 1 of 2  
314

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.





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



Nirvana CBD  
19-009812  
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): JR

- 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  Paper Other: \_\_\_\_\_
- 7) Was sufficient ice used (if appropriate)? YES  NO  NA   
 What kind? Blue Ice Ice Cooler Packs Dry Ice none
- 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 provisional 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

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.



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

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: 1907581								
Laboratory Control Sample								
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes	
CBDV-A	0.00982	0.01	%	98.2	85 - 115	Acceptable		
CBDV	0.00999	0.01	%	99.9	85 - 115	Acceptable		
CBD-A	0.00938	0.01	%	93.8	85 - 115	Acceptable		
CBG-A	0.00970	0.01	%	97.0	85 - 115	Acceptable		
CBG	0.00992	0.01	%	99.2	85 - 115	Acceptable		
CBD	0.00974	0.01	%	97.4	85 - 115	Acceptable		
THCV	0.00979	0.01	%	97.9	85 - 115	Acceptable		
THCVA	0.0101	0.01	%	101	85 - 115	Acceptable		
CBN	0.00976	0.01	%	97.6	85 - 115	Acceptable		
THC	0.00958	0.01	%	95.8	85 - 115	Acceptable		
D8THC	0.00950	0.01	%	95.0	85 - 115	Acceptable		
CBL	0.00973	0.01	%	97.3	85 - 115	Acceptable		
CBC	0.00991	0.01	%	99.1	85 - 115	Acceptable		
THCA	0.00961	0.01	%	96.1	85 - 115	Acceptable		
CBCA	0.00894	0.01	%	89.4	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: 1907581						
Sample Duplicate		Sample ID: 19-009791-0004						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	ND	ND	0.003	%	0	< 20	Acceptable	
CBDV	0.0133	0.0129	0.003	%	3.05	< 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	6.41	6.27	0.003	%	2.21	< 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	ND	ND	0.003	%	0	< 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	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	Quantitaion 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.