



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



Report Number: 21-010090/D001.R000
Report Date: 09/13/2021
ORELAP#: OR100028
Purchase Order:
Received: 08/31/21 10:19

Customer: Nirvana CBD
Product identity: Body Lotion
Client/Metric ID: .
Laboratory ID: 21-010090-0001

Summary

Potency:

Analyte	Result (%)	 ● CBD ● CBE ● CBN ● CBT ● CBG ● CBC		
CBD	0.730		CBD-Total	0.730%
CBE†	0.00653			
CBN	0.00528		THC-Total	<LOQ
CBT†	0.00505			
CBG†	0.00435		(Reported in percent of total sample)	
CBC	0.00418			

Terpenes:

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
Menthol†	0.153	100.00%	Total Terpenes†	0.153	100.00%



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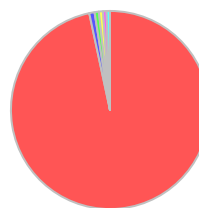
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Received: 08/31/21 10:19

Customer: Nirvana CBD

Product identity: Body Lotion
Client/Metric ID: .
Sample Date:
Laboratory ID: 21-010090-0001
Evidence of Cooling: No
Temp: 21.6 °C
Relinquished by: USPS

Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)	Units %	Batch: 2107886	Analyze: 9/1/21 9:05:00 PM
Analyte	As Received	Dry weight	LOQ	Notes
CBC	0.00418		0.0031	
CBC-A†	< LOQ		0.0031	
CBC-Total†	< LOQ		0.0059	
CBD	0.730		0.0031	
CBD-A	< LOQ		0.0031	
CBD-Total	0.730		0.0059	
CBDV†	< LOQ		0.0031	
CBDV-A†	< LOQ		0.0031	
CBDV-Total†	< LOQ		0.0058	
CBE†	0.00653		0.0031	
CBG†	0.00435		0.0031	
CBG-A†	< LOQ		0.0031	
CBG-Total	< LOQ		0.0058	
CBL†	< LOQ		0.0031	
CBL-A†	< LOQ		0.0031	
CBL-Total†	< LOQ		0.0059	
CBN	0.00528		0.0031	
CBT†	0.00505		0.0031	
Δ8-THC†	< LOQ		0.0031	
Δ8-THCV	< LOQ		0.0031	
Δ9-THC	< LOQ		0.0031	
THC-A	< LOQ		0.0031	
THC-Total	< LOQ		0.0059	
THCV†	< LOQ		0.0031	
THCV-A†	< LOQ		0.0031	
THCV-Total†	< LOQ		0.0058	
Total Cannabinoids†	0.755			



● CBD
● CBE
● CBN
● CBT
● CBG
● CBC

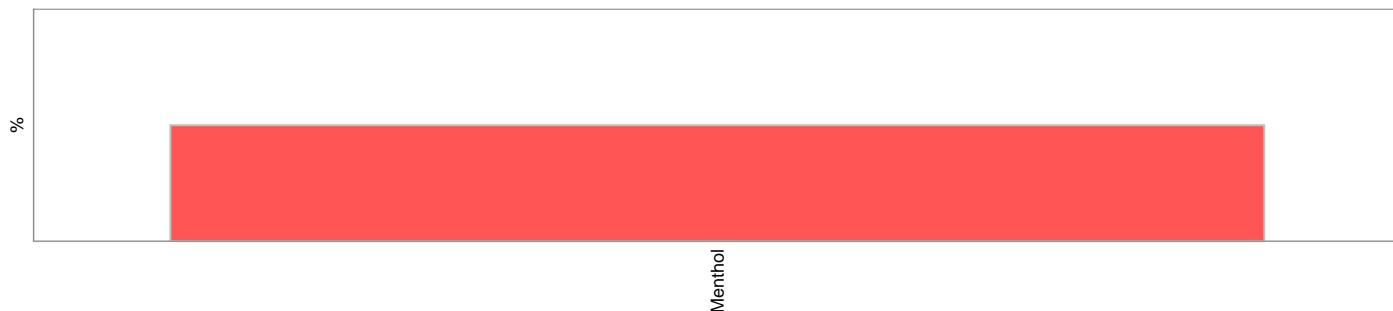


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Terpenes	Method J AOAC 2015 V98-6				Units %	Batch 2107896	Analyze 09/02/21	02:53 AM	
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
Menthol [†]	0.153	0.018	100.000%		(R)-(+)-Limonene [†]	< LOQ	0.018	0.00%	
Geraniol [†]	< LOQ	0.018	0.00%		Geranyl acetate [†]	< LOQ	0.018	0.00%	
p-Cymene [†]	< LOQ	0.018	0.00%		a-Terpinene [†]	< LOQ	0.018	0.00%	
β-Myrcene [†]	< LOQ	0.018	0.00%		(-)-a-Terpineol [†]	< LOQ	0.018	0.00%	
Eucalyptol [†]	< LOQ	0.018	0.00%		Terpinolene [†]	< LOQ	0.018	0.00%	
Sabinene [†]	< LOQ	0.018	0.00%		farnesene [†]	< LOQ	0.018	0.00%	
Linalool [†]	< LOQ	0.018	0.00%		trans-β-Ocimene [†]	< LOQ	0.012	0.00%	
gamma-Terpinene [†]	< LOQ	0.018	0.00%		(+)-Pulegone [†]	< LOQ	0.018	0.00%	
Sabinene hydrate [†]	< LOQ	0.018	0.00%		(-)-β-Pinene [†]	< LOQ	0.018	0.00%	
a-pinene [†]	< LOQ	0.018	0.00%		(+)-fenchol [†]	< LOQ	0.018	0.00%	
(±)-Camphor [†]	< LOQ	0.018	0.00%		(±)-fenchone [†]	< LOQ	0.018	0.00%	
(-)-caryophyllene oxide [†]	< LOQ	0.018	0.00%		(-)-Guaiol [†]	< LOQ	0.018	0.00%	
(-)-Isopulegol [†]	< LOQ	0.018	0.00%		(+)-Borneol [†]	< LOQ	0.018	0.00%	
(+)-Cedrol [†]	< LOQ	0.018	0.00%		(±)-cis-Nerolidol [†]	< LOQ	0.018	0.00%	
(±)-trans-Nerolidol [†]	< LOQ	0.018	0.00%		a-Bisabolol [†]	< LOQ	0.018	0.00%	
a-cedrene [†]	< LOQ	0.018	0.00%		a-phellandrene [†]	< LOQ	0.018	0.00%	
Camphene [†]	< LOQ	0.018	0.00%		cis-β-Ocimene [†]	< LOQ	0.006	0.00%	
d-3-Carene [†]	< LOQ	0.018	0.00%		Humulene [†]	< LOQ	0.018	0.00%	
Isoborneol [†]	< LOQ	0.018	0.00%		nerol [†]	< LOQ	0.018	0.00%	
β-Caryophyllene [†]	< LOQ	0.018	0.00%		valencene [†]	< LOQ	0.018	0.00%	
Total Terpenes	0.153								





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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

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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Columbia Laboratories
Sample Receipt Form

Revision: 2.00 Document Control: CF015
Revised: 01/11/2021 Effective: 03/16/2021

Job Number: _____ Search Name: _____

Package/Cooler opened on (if different than received date/time) Date: 8/31 Time: 1019

Received By (Initials): IN Logged in by (Initials): _____ Date: _____ Time: _____

1) Were custody seals on outside of the package/cooler? YES NO NA
If YES, how many and where? _____

Does date match collection date on COC? _____ YES NO NA

2) Was Chain of Custody (COC) included in the package/cooler? YES NO NA

3) Was COC signed when relinquished and received? (time, date)? YES NO NA

4) How was the package/cooler delivered?

UPS FEDEX USPS CLIENT COURIER OTHER: _____

Tracking Number (written in or copy of shipping label): 9400 1118 7982 3350 8943 98

5) Was packing material used? YES NO NA

Peanuts Bubble Wrap Foam Paper Other: _____

6) Was temperature upon receipt 4°C - 2°C (if appropriate)? YES NO NA
If not, client contacted: _____
Proceed? YES NO

7) Was there evidence of cooling? YES NO NA
What kind?

Blue Ice Ice Cooler Packs Dry Ice

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) Sample location prior to login: R99 R39 R44 F44 Ambient Shelf Cannabis Table Other: _____

Explain any discrepancies: _____

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Revision #: 0.00 Control : CFL-D06
Revision Date: 05/31/2019 Effective Date: 05/31/2019

Laboratory Quality Control Results

JAOAC2015 V986 Batch ID: 2107886							
Laboratory Control Sample							
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	0.00995	0.01	%	99.5	85.0 - 115	Acceptable	
CBDV	0.0103	0.01	%	103	85.0 - 115	Acceptable	
CBE	0.0101	0.01	%	101	85.0 - 115	Acceptable	
CBDA	0.00992	0.01	%	99.2	85.0 - 115	Acceptable	
CBGA	0.00985	0.01	%	98.5	85.0 - 115	Acceptable	
CBG	0.00987	0.01	%	98.7	85.0 - 115	Acceptable	
CBD	0.00993	0.01	%	99.3	85.0 - 115	Acceptable	
THCV	0.00999	0.01	%	99.9	85.0 - 115	Acceptable	
d8THCV	0.00982	0.01	%	98.2	85.0 - 115	Acceptable	
THCVA	0.00935	0.01	%	93.5	85.0 - 115	Acceptable	
CBN	0.0103	0.01	%	103	85.0 - 115	Acceptable	
exo-THC	0.00939	0.01	%	93.9	85.0 - 115	Acceptable	
d9THC	0.0101	0.01	%	101	85.0 - 115	Acceptable	
d8THC	0.0100	0.01	%	100	85.0 - 115	Acceptable	
CBL	0.00962	0.01	%	96.2	85.0 - 115	Acceptable	
CBC	0.0102	0.01	%	102	85.0 - 115	Acceptable	
THCA	0.0101	0.01	%	101	85.0 - 115	Acceptable	
CBCA	0.00994	0.01	%	99.4	85.0 - 115	Acceptable	
CBLA	0.0103	0.01	%	103	85.0 - 115	Acceptable	
CBT	0.0104	0.01	%	104	85.0 - 115	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.003	%	< 0.003	Acceptable	
CBDV	<LOQ	0.003	%	< 0.003	Acceptable	
CBE	<LOQ	0.003	%	< 0.003	Acceptable	
CBDA	<LOQ	0.003	%	< 0.003	Acceptable	
CBGA	<LOQ	0.003	%	< 0.003	Acceptable	
CBG	<LOQ	0.003	%	< 0.003	Acceptable	
CBD	<LOQ	0.003	%	< 0.003	Acceptable	
THCV	<LOQ	0.003	%	< 0.003	Acceptable	
d8THCV	<LOQ	0.003	%	< 0.003	Acceptable	
THCVA	<LOQ	0.003	%	< 0.003	Acceptable	
CBN	<LOQ	0.003	%	< 0.003	Acceptable	
exo-THC	<LOQ	0.003	%	< 0.003	Acceptable	
d9THC	<LOQ	0.003	%	< 0.003	Acceptable	
d8THC	<LOQ	0.003	%	< 0.003	Acceptable	
CBL	<LOQ	0.003	%	< 0.003	Acceptable	
CBC	<LOQ	0.003	%	< 0.003	Acceptable	
THCA	<LOQ	0.003	%	< 0.003	Acceptable	
CBCA	<LOQ	0.003	%	< 0.003	Acceptable	
CBLA	<LOQ	0.003	%	< 0.003	Acceptable	
CBT	<LOQ	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



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Revision #: 0.00 Control : CFL-D06
Revision Date: 05/31/2019 Effective Date: 05/31/2019

Laboratory Quality Control Results

JAOAC2015 V986		Batch ID: 2107886						
Sample Duplicate		Sample ID: 21-010068-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.0745	0.0749	0.003	%	0.419	< 20	Acceptable	
CBE	0.191	0.195	0.003	%	2.09	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	0.0524	0.0526	0.003	%	0.380	< 20	Acceptable	
CBD	18.7	18.8	0.003	%	0.246	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBN	0.127	0.128	0.003	%	0.526	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d9THC	0.0129	0.0131	0.003	%	1.76	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	0.0115	0.0119	0.003	%	3.58	< 20	Acceptable	
CBC	0.152	0.153	0.003	%	0.388	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBT	0.180	0.182	0.003	%	1.42	< 20	Acceptable	

Abbreviations

ND - None Detected at or above MRL
RPD - Relative Percent Difference
LOQ - Limit of Quantitation
NA - Calculation Not Applicable given non-numerical results

Units of Measure:

% - Percent



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Terpenes Quality Control Results

Method Reference: EPA5035				Batch ID: 2107896					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	LCS	Units	LCS % Rec	Limits	Notes
a-pinene	<LOQ	< 200		575	500	µg/g	115%	70 - 130	
Camphene	<LOQ	< 200		473	500	µg/g	95%	70 - 130	
Sabinene	<LOQ	< 200		441	500	µg/g	88%	70 - 130	
b-Phene	<LOQ	< 200		443	500	µg/g	89%	70 - 130	
b-Myrcene	<LOQ	< 200		444	500	µg/g	89%	70 - 130	
a-phellandrene	<LOQ	< 200		467	500	µg/g	93%	70 - 130	
d-3-Caene	<LOQ	< 200		525	500	µg/g	105%	70 - 130	
a-Terpinene	<LOQ	< 200		472	500	µg/g	94%	70 - 130	
p-Cymene	<LOQ	< 200		477	500	µg/g	95%	70 - 130	
D-Limonene	<LOQ	< 200		421	500	µg/g	84%	70 - 130	
Eucalyptol	<LOQ	< 200		486	500	µg/g	97%	70 - 130	
b-α-Camene	<LOQ	< 67		138	167	µg/g	83%	70 - 130	
b-trans-Camene	<LOQ	< 133		298	333	µg/g	89%	70 - 130	
g-Terpinene	<LOQ	< 200		433	500	µg/g	87%	70 - 130	
Sabinene Hydrate	<LOQ	< 200		456	500	µg/g	91%	70 - 130	
Terpinolene	<LOQ	< 200		372	500	µg/g	74%	70 - 130	
D-Fenchone	<LOQ	< 200		413	500	µg/g	83%	70 - 130	
Linalool	<LOQ	< 200		474	500	µg/g	95%	70 - 130	
Fenchol	<LOQ	< 200		460	500	µg/g	92%	70 - 130	
Camphor	<LOQ	< 200		456	500	µg/g	91%	70 - 130	
Isopulego	<LOQ	< 200		438	500	µg/g	88%	70 - 130	
Isoborneol	<LOQ	< 200		456	500	µg/g	91%	70 - 130	
Borneol	<LOQ	< 200		458	500	µg/g	92%	70 - 130	
DL-Menthol	<LOQ	< 200		454	500	µg/g	91%	70 - 130	
Terpineol	<LOQ	< 200		417	500	µg/g	83%	70 - 130	
Nerol	<LOQ	< 200		424	500	µg/g	85%	70 - 130	
Rulepene	<LOQ	< 200		541	500	µg/g	108%	70 - 130	
Geraniol	<LOQ	< 200		368	500	µg/g	74%	70 - 130	
Geranyl Acetate	<LOQ	< 200		457	500	µg/g	91%	70 - 130	
a-Cedrene	<LOQ	< 200		479	500	µg/g	96%	70 - 130	
b-Caryophyllene	<LOQ	< 200		373	500	µg/g	75%	70 - 130	
a-Humulene	<LOQ	< 200		440	500	µg/g	88%	70 - 130	
Valenene	<LOQ	< 200		375	500	µg/g	75%	70 - 130	
cis-Nerolidol	<LOQ	< 200		460	500	µg/g	92%	70 - 130	
a-Farnesene	<LOQ	< 200		489	500	µg/g	98%	70 - 130	
trans-Nerolidol	<LOQ	< 200		451	500	µg/g	90%	70 - 130	
Caryophyllene Oxide	<LOQ	< 200		552	500	µg/g	110%	70 - 130	
Guaiol	<LOQ	< 200		507	500	µg/g	101%	70 - 130	
Cedrol	<LOQ	< 200		450	500	µg/g	90%	70 - 130	
a-Bisabol	<LOQ	< 200		473	500	µg/g	95%	70 - 130	

Definitions

LOQ	Limit of Quantitation
LCS	Laboratory Control Sample
%REC	Percent Recovery



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Terpenes Quality Control Results

Method Reference: EPA5035			Batch ID: 2107896				
Sample/Sample Duplicate		Sample ID: 21-009157-0003					
Analyte	Result	Org. Result	LOQ	Units	% RPD	LIMIT	Notes
a-pinene	<LOQ	<LOQ	188	µg/g	0%	< 20	
Camphene	<LOQ	<LOQ	188	µg/g	0%	< 20	
Sabinene	<LOQ	<LOQ	188	µg/g	0%	< 20	
b-Phene	<LOQ	<LOQ	188	µg/g	0%	< 20	
b-Myrcene	48900	48900	188	µg/g	0%	< 20	
a-phellandrene	<LOQ	<LOQ	188	µg/g	0%	< 20	
d-3-Caene	390	421	188	µg/g	8%	< 20	
a-Terpinene	201	203	188	µg/g	1%	< 20	
p-Cymene	<LOQ	<LOQ	188	µg/g	0%	< 20	
D-Limonene	89500	90600	188	µg/g	1%	< 20	
Eucalyptol	<LOQ	<LOQ	188	µg/g	0%	< 20	
b-cis-OCimene	<LOQ	<LOQ	62.5	µg/g	0%	< 20	
b-trans-OCimene	<LOQ	<LOQ	125	µg/g	0%	< 20	
g-Terpinene	<LOQ	<LOQ	188	µg/g	0%	< 20	
Sabinene Hydrate	<LOQ	<LOQ	188	µg/g	0%	< 20	
Terpinolene	<LOQ	<LOQ	188	µg/g	0%	< 20	
D-Fenchone	<LOQ	<LOQ	188	µg/g	0%	< 20	
Linalool	<LOQ	<LOQ	188	µg/g	0%	< 20	
Fenchol	<LOQ	<LOQ	188	µg/g	0%	< 20	
Camphor	<LOQ	<LOQ	188	µg/g	0%	< 20	
Isopulego	<LOQ	<LOQ	188	µg/g	0%	< 20	
Isborneol	<LOQ	<LOQ	188	µg/g	0%	< 20	
Borneol	<LOQ	<LOQ	188	µg/g	0%	< 20	
DL-Menthol	<LOQ	<LOQ	188	µg/g	0%	< 20	
Terpineol	<LOQ	<LOQ	188	µg/g	0%	< 20	
Nerol	<LOQ	<LOQ	188	µg/g	0%	< 20	
Rulegone	<LOQ	<LOQ	188	µg/g	0%	< 20	
Geraniol	<LOQ	<LOQ	188	µg/g	0%	< 20	
Geranyl Acetate	<LOQ	<LOQ	188	µg/g	0%	< 20	
a-Cedrene	<LOQ	<LOQ	188	µg/g	0%	< 20	
b-Caryophyllene	21800	21800	188	µg/g	0%	< 20	
a-Humulene	1640		188	µg/g	1%	< 20	
Valenene	<LOQ	<LOQ	188	µg/g	0%	< 20	
cis-Nerolidol	<LOQ	<LOQ	188	µg/g	0%	< 20	
a-Farnesene	<LOQ	<LOQ	188	µg/g	0%	< 20	
trans-Nerolidol	<LOQ	<LOQ	188	µg/g	0%	< 20	
Caryophyllene Oxide	411	404	188	µg/g	2%	< 20	
Guaiol	<LOQ	<LOQ	188	µg/g	0%	< 20	
Cedrol	<LOQ	<LOQ	188	µg/g	0%	< 20	
a-Bsabdol	452	435	188	µg/g	4%	< 20	

Definitions

RPD Relative Percent Difference



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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.