



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



Report Number: 21-005989/D002.R000
Report Date: 06/04/2021
ORELAP#: OR100028
Purchase Order:
Received: 06/01/21 11:24

Customer:

Product identity: ZAR 1000mg O.C. Lot #27E21215

Client/Metric ID: .

Laboratory ID: 21-005989-0001

Sample Date: 05/27/21 14:00

Summary

Potency:

Analyte per 1g	Result	Limits	Units	Status	
Δ 8-THC per 1g [†]	35.3		mg/1g		CBD-Total per 1g <LOQ
					THC-Total per 1g <LOQ
					(Reported in milligrams per serving)



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Customer:

Product identity: ZAR 1000mg O.C. Lot #27E21215
Client/Metric ID: .
Sample Date: 05/27/21 14:00
Laboratory ID: 21-005989-0001
Evidence of Cooling: No
Temp: 25 °C
Serving Size #1: 1 g

Sample Results

Potency per 1g					
Method J AOAC 2015 V98-6 (mod) Units mg/se Batch: 2104907 Analyze: 6/3/21 4:09:00 AM					
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1g [†]	< LOQ		mg/1g	0.0325	
CBC-A per 1g [†]	< LOQ		mg/1g	0.0325	
CBC-Total per 1g [†]	< LOQ		mg/1g	0.0610	
CBD per 1g	< LOQ		mg/1g	0.0325	
CBD-A per 1g	< LOQ		mg/1g	0.0325	
CBD-Total per 1g	< LOQ		mg/1g	0.0610	
CBDV per 1g [†]	< LOQ		mg/1g	0.0325	
CBDV-A per 1g [†]	< LOQ		mg/1g	0.0325	
CBDV-Total per 1g [†]	< LOQ		mg/1g	0.0607	
CBE per 1g [†]	< LOQ		mg/1g	0.325	
CBG per 1g [†]	< LOQ		mg/1g	0.0325	
CBG-A per 1g [†]	< LOQ		mg/1g	0.0325	
CBG-Total per 1g [†]	< LOQ		mg/1g	0.0607	
CBL per 1g [†]	< LOQ		mg/1g	0.0325	
CBL-A per 1g [†]	< LOQ		mg/1g	0.325	
CBL-Total per 1g [†]	< LOQ		mg/1g	0.610	
CBN per 1g	< LOQ		mg/1g	0.0325	
CBT per 1g [†]	< LOQ		mg/1g	0.325	
Δ8-THCV per 1g [†]	< LOQ		mg/1g	0.325	
Δ8-THC per 1g [†]	35.3		mg/1g	0.325	
Δ9-THC per 1g	< LOQ		mg/1g	0.0325	
exo-THC per 1g [†]	< LOQ		mg/1g	0.325	
THC-A per 1g	< LOQ		mg/1g	0.0325	
THC-Total per 1g	< LOQ		mg/1g	0.0610	
THCV per 1g [†]	< LOQ		mg/1g	0.0325	
THCV-A per 1g [†]	< LOQ		mg/1g	0.0325	
THCV-Total per 1g [†]	< LOQ		mg/1g	0.0611	
Total Cannabinoids per 1g	35.3		mg/1g		

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 Columbia Laboratories 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 retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.

Testing in accordance with: OAR 333-007-0430



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These test results are representative of the individual sample selected and submitted by the client.

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



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Columbia Laboratories
Sample Receipt Form

Revision: 2.00 Document Control: CF015
Revised: 01/11/2021 Effective: 09/16/2021

Job Number: 21-005989 Search Name:

Package/Cooler opened on (if different than received date/time) Date: 6-1-21 Time: 1124

Received By (Initials): B Logged in by (Initials): Date: Time:

1) Were custody seals on outside of the package/cooler? YES NO NA

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): 1293EL9E0293075857

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

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

16) 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

J AOAC 2015 V98-6								
Batch ID: 2104907								
Laboratory Control Sample								
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes	
CBDVA	0.00969	0.01	%	96.9	85.0 - 115	Acceptable		
CBDV	0.0102	0.01	%	102	85.0 - 115	Acceptable		
CBE	0.00932	0.01	%	93.2	85.0 - 115	Acceptable		
CBDA	0.0100	0.01	%	100	85.0 - 115	Acceptable		
CBGA	0.00958	0.01	%	95.8	85.0 - 115	Acceptable		
CBG	0.0101	0.01	%	101	85.0 - 115	Acceptable		
CBD	0.0105	0.01	%	105	85.0 - 115	Acceptable		
THCV	0.0103	0.01	%	103	85.0 - 115	Acceptable		
d8THCV	0.00959	0.01	%	95.9	85.0 - 115	Acceptable		
THCVA	0.00945	0.01	%	94.5	85.0 - 115	Acceptable		
CBN	0.0107	0.01	%	107	85.0 - 115	Acceptable		
exo-THC	0.00941	0.01	%	94.1	85.0 - 115	Acceptable		
d9THC	0.0107	0.01	%	107	85.0 - 115	Acceptable		
d8THC	0.00998	0.01	%	99.8	85.0 - 115	Acceptable		
CBL	0.00925	0.01	%	92.5	85.0 - 115	Acceptable		
CBC	0.0102	0.01	%	102	85.0 - 115	Acceptable		
THCA	0.00964	0.01	%	96.4	85.0 - 115	Acceptable		
CBCA	0.00945	0.01	%	94.5	85.0 - 115	Acceptable		
CBLA	0.00993	0.01	%	99.3	85.0 - 115	Acceptable		
CBT	0.0101	0.01	%	101	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

J AOAC 2015 V98-6		Batch ID: 2104907						
Sample Duplicate		Sample ID: 21-005970-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.0352	0.0354	0.003	%	0.679	< 20	Acceptable	
CBE	0.0411	0.0415	0.003	%	0.963	< 20	Acceptable	
CBD A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	0.146	0.146	0.003	%	0.272	< 20	Acceptable	
CBD	5.25	5.24	0.003	%	0.252	< 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	0.00863	0.00946	0.003	%	9.22	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d9THC	0.199	0.194	0.003	%	2.62	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBC	0.203	0.204	0.003	%	0.848	< 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	0.0711	0.0717	0.003	%	0.843	< 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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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.