



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



Report Number: 20-011644/D03.R00
Report Date: 11/02/2020
ORELAP#: OR100028
Purchase Order:
Received: 10/27/20 12:00

Customer: Bumble B Well LLC
Product identity: 1oz CBD Tincture
Client/Metric ID: .
Laboratory ID: 20-011644-0002

Sample Date: 10/27/20

Summary

Potency:

Analyte per 1g	Result	Limits	Units	Status	
CBD per 1g	34.6		mg/1g		CBD-Total per 1g 34.6 mg/1g
CBDV per 1g	0.0911		mg/1g		THC-Total per 1g <LOQ
(Reported in milligrams per serving)					



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Customer: Bumble B Well LLC

Product identity: 1oz CBD Tincture
Client/Metric ID: .
Sample Date: 10/27/20
Laboratory ID: 20-011644-0002
Relinquished by: Client
Temp: 19.4 °C
Serving Size #1: 1 g

Sample Results

Potency per 1g					
Method J AOAC 2015 V98-6 (mod) Batch: 2009053 Analyze: 10/29/20 11:11:00 A					
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1g	< LOQ		mg/1g	0.0321	
CBC-A per 1g	< LOQ		mg/1g	0.0321	
CBC-Total per 1g	< LOQ		mg/1g	0.0602	
CBD per 1g	34.6		mg/1g	0.321	
CBD-A per 1g	< LOQ		mg/1g	0.0321	
CBD-Total per 1g	34.6		mg/1g	0.349	
CBDV per 1g	0.0911		mg/1g	0.0321	
CBDV-A per 1g	< LOQ		mg/1g	0.0321	
CBDV-Total per 1g	0.0911		mg/1g	0.0599	
CBG per 1g	< LOQ		mg/1g	0.0321	
CBG-A per 1g	< LOQ		mg/1g	0.0321	
CBG-Total per 1g	< LOQ		mg/1g	0.0599	
CBL per 1g	< LOQ		mg/1g	0.0321	
CBN per 1g	< LOQ		mg/1g	0.0321	
Δ8-THC per 1g	< LOQ		mg/1g	0.0321	
Δ9-THC per 1g	< LOQ		mg/1g	0.0321	
THC-A per 1g	< LOQ		mg/1g	0.0321	
THC-Total per 1g	< LOQ		mg/1g	0.0602	
THCV per 1g	< LOQ		mg/1g	0.0321	
THCV-A per 1g	< LOQ		mg/1g	0.0321	
THCV-Total per 1g	< LOQ		mg/1g	0.0602	
Total Cannabinoids 1g¹	34.7		mg/1g		



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

Approved Signatory

Derrick Tanner
General Manager



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**Hemp Products
 Chain of Custody Record**

20011644

Revision: 0.00 Control#: CF002 Rev: 02/27/2020 Eff: 02/27/2020
 ORELAP ID: OR100028

Company: Bumble B. Well			Analysis Requested						PO Number: _____		
Contact: Jessica Jasik									Project Number: _____		
Street: _____			Custom Reporting: _____			Report to State - <input type="checkbox"/> METRC or <input type="checkbox"/> Other: _____					
City: Vancouver State: WA Zip: 98684			Turn-around time: <input type="checkbox"/> Standard <input type="checkbox"/> Rush * <input type="checkbox"/> Priority Rush *			*Ask for availability					
<input checked="" type="checkbox"/> Email Results: jessica@bumblebwell.com			Sampled by: _____								
Ph: (360) 947-4344 <input type="checkbox"/> Fx Results: ()											
Billing (if different):											
Lab ID	Client Sample Identification	Date	Potency					Sample Type †	Report units (potency)	Serving size (edibles)	Comments/Metric ID
1	9 oz Hemp Infused Honey	10/27/20	✓					E	mg/g	tsp	
2	1 oz CBD Tincture	10/27/20	✓					T	mg/g		
		10/27/20									
		10/27/20									
		10/27/20									
		10/27/20									
		10/27/20									
		10/27/20									
		10/27/20									
		10/27/20									
Relinquished By:		Date	Time	Received by:		Date	Time	Lab Use Only:			
<i>Jessica Jasik</i>		10/27	11:59	<i>JB</i>		10/27	12:00	<input type="checkbox"/> Shipped Via: _____ or <input checked="" type="checkbox"/> Client drop off Evidence of cooling: <input type="checkbox"/> yes <input checked="" type="checkbox"/> No - Temp (°C): <u>19.4</u> Sample in good condition: <input checked="" type="checkbox"/> yes <input type="checkbox"/> No <input type="checkbox"/> Cash <input type="checkbox"/> Check <input type="checkbox"/> CC <input type="checkbox"/> Net: _____ Prelog storage: _____			

† - Sample type codes: Topicals (L) ; Edibles (E) ; Tincture (T) ; Bath Salts (S); Beverages (B)
 Report unit options: % ; mg/g ; mg/serving

Samples submitted to CL with testing requirements constitute an agreement for services in accordance with the current terms of service associated with this COC. By signing "Relinquished by" you are agreeing to these terms.

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 www.columbialaboratories.com



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Received: 10/27/20 12:00

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

Laboratory Quality Control Results

JAOAC2015 V98-6									
Batch ID: 2009019/2009053									
Laboratory Control Sample									
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes		
CBDVA	0.0103		0.01	%	103	85.0 - 115	Acceptable		
CBDV	0.0103		0.01	%	103	85.0 - 115	Acceptable		
CBD-A	0.0102		0.01	%	102	85.0 - 115	Acceptable		
CBG-A	0.0101		0.01	%	101	85.0 - 115	Acceptable		
CBG	0.0101		0.01	%	101	85.0 - 115	Acceptable		
CBD	0.0102		0.01	%	102	85.0 - 115	Acceptable		
THCV	0.0101		0.01	%	101	85.0 - 115	Acceptable		
THCVA	0.00986		0.01	%	98.6	85.0 - 115	Acceptable		
CBN	0.0105		0.01	%	105	85.0 - 115	Acceptable		
THC	0.0102		0.01	%	102	85.0 - 115	Acceptable		
D8THC	0.0101		0.01	%	101	85.0 - 115	Acceptable		
CBL	0.00998		0.01	%	99.8	85.0 - 115	Acceptable		
CBG	0.0102		0.01	%	102	85.0 - 115	Acceptable		
THCA	0.0103		0.01	%	103	85.0 - 115	Acceptable		
CBDA	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	
CBD-A	<LOQ	0.003	%	< 0.003	Acceptable	
CBG-A	<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	
THCVA	<LOQ	0.003	%	< 0.003	Acceptable	
CBN	<LOQ	0.003	%	< 0.003	Acceptable	
THC	<LOQ	0.003	%	< 0.003	Acceptable	
D8THC	<LOQ	0.003	%	< 0.003	Acceptable	
CBL	<LOQ	0.003	%	< 0.003	Acceptable	
CBG	<LOQ	0.003	%	< 0.003	Acceptable	
THCA	<LOQ	0.003	%	< 0.003	Acceptable	
CBDA	<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: 2009019/2009053						
Sample Duplicate		Sample ID: 20-011528-0001-01						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.0768	0.0768	0.003	%	0.0451	< 20	Acceptable	
CBD-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	0.197	0.197	0.003	%	0.122	< 20	Acceptable	
CBD	5.14	5.20	0.003	%	1.09	< 20	Acceptable	
THCV	<LOQ	0.00606	0.003	%	NA	< 20	Acceptable	R2
THCVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBN	0.00522	0.00566	0.003	%	8.02	< 20	Acceptable	
THC	0.192	0.190	0.003	%	1.35	< 20	Acceptable	
D8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	0.00643	0.00664	0.003	%	3.26	< 20	Acceptable	
CBG	0.184	0.184	0.003	%	0.178	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.003	%	NA	< 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
- R2 - Sample replicates RPD non-calculable, as only one replicate is within analytical range.

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.