Columbia
LABORATORIES
A Tentamus Company

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

Customer: Biotech Brewing Solutions
Product identity: BB001
Client/Metrc ID: .
Laboratory ID: 24-010991-0001

Summary

Potency:

Analyte per 1g	Result	Limits	Units	Status		
CBD per 1g	9.82		mg/1g		CBD-Total per Serving Size	9.82 mg/1g
					Delta-9-THC-Total per	<LOQ
					(Reported in milligrams per serving)	

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REPORT NUMBER: 24-010991/D001.R000
Report Date: 10/03/2024
ORELAP#: OR100028
Purchase Order:
Received: 09/30/24 12:53

Customer: Biotech Brewing Solutions
305 E 39th Ave
Eugene Oregon 97405
United States of America (USA)

Product identity: BB001
Client/Metrc ID: .
Sample Date:
Laboratory ID: 24-010991-0001
Evidence of Cooling: No
Temp: 20.5 °C
Serving Size #1: 1 g

Sample Results

Potency per 1g	**Method:** J AOAC 2015 V98-6 (mod)[þ]		**Units** mg/se **Batch:** 2407665		**Analyze:** 10/2/24 8:38:00 PM
Analyte	Result	Limits	Units	LOQ	Notes
CBD per 1g	9.82		mg/1g	0.310	
CBD-A per 1g[⊥]	< LOQ		mg/1g	0.0310	
CBD-Total per 1g[⊥]	9.82		mg/1g	0.337	
CBG per 1g	< LOQ		mg/1g	0.0310	
CBG-A per 1g	< LOQ		mg/1g	0.0310	
CBG-Total per 1g	< LOQ		mg/1g	0.0579	
CBN per 1g	< LOQ		mg/1g	0.0310	
Δ10-THC-9R per 1g	< LOQ		mg/1g	0.0310	
Δ10-THC-9S per 1g	< LOQ		mg/1g	0.0310	
Δ10-THC-Total per 1g	< LOQ		mg/1g	0.0620	
Δ8-THC per 1g[⊥]	< LOQ		mg/1g	0.0310	
Δ9-THC per 1g[⊥]	< LOQ		mg/1g	0.0310	
Δ9-THC-Total per 1g	< LOQ		mg/1g	0.0582	
THC-A per 1g[⊥]	< LOQ		mg/1g	0.0310	

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Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220, CCR title 16-division 42. BCC-section 5723

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.

♭ = ISO/IEC 17025:2017 accredited method.
⊥ = TNI accredited analyte.

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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Hemp & Cannabis
Chain of Custody

Biotech-Brewing-
Solutions-1727223281

					Testing

Company Details

Company: Biotech Brewing Solutions

Contact: Jason Raimondi

Street Address: 305 E 39th Ave

City, State, Zip: Eugene, OR Biotech Brewing Solutions

Email: jason@biotechbrewingsolutions.com

Contact Phone: 7073676748

Company Phone: 707-367-6748

Billing Information

Billing Phone: 707-367-6748

Billing Email: jason@biotechbrewingsolutions.com

Project Details

Turnaround Time: 3 Business Days | Surcharges Apply

Relinquishment | Sampling, Courier & Shipping Options: By Shipping Service (USPS, UPS, Fedex)

Cannabis Type (select if applicable): Industrial

Additional Comments for Project: Only cannabis ingredient is CBD isolate. I'm hoping to show no THC and proper cbd content.

Receipt Information

Prelog Storage: Canna Shelves

Sample Condition: Satisfactory

H0014 – Potency Cannabis (Basic)

#	Sample Name	Material	Amount Provided	Reporting Unit	
1	BB001	Cannabinoid Topical	60 ml	mg/mL	✓

Relinquished By	Date	Time	Received By	Date	Time	Received Temp., °C	Evidence of Cooling?
Jason Raimondi	09/24/2024	17:14	eem	09/30/2024	12:53	20.5	No

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Revision: 4 Document ID: 7148
Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6							Batch ID: 2407665	

Laboratory Control Sample

Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	2	0.0301	0.0299	%	101	80.0	- 120	Acceptable	
CBDV	2	0.0280	0.0279	%	100	80.0	- 120	Acceptable	
CBE	2	0.0338	0.0340	%	99.6	80.0	- 120	Acceptable	
CBDA	1	0.0357	0.0362	%	98.5	90.0	- 110	Acceptable	
CBGA	1	0.0343	0.0347	%	98.8	80.0	- 120	Acceptable	
CBG	1	0.0321	0.0320	%	100	80.0	- 120	Acceptable	
CBD	1	0.0321	0.0328	%	98.0	90.0	- 110	Acceptable	
THCV	2	0.0330	0.0327	%	101	80.0	- 120	Acceptable	
d8THCV	2	0.0335	0.0336	%	99.7	80.0	- 120	Acceptable	
THCVA	2	0.0299	0.0297	%	100	80.0	- 120	Acceptable	
CBN	1	0.0335	0.0333	%	100	80.0	- 120	Acceptable	
exo-THC	2	0.0312	0.0314	%	99.3	80.0	- 120	Acceptable	
d9THC	1	0.0315	0.0319	%	98.8	90.0	- 110	Acceptable	
d8THC	1	0.0343	0.0345	%	99.6	90.0	- 110	Acceptable	
9S-d10THC	1	0.0344	0.0348	%	99.0	80.0	- 120	Acceptable	
CBL	2	0.0309	0.0297	%	104	80.0	- 120	Acceptable	
9R-d10THC	1	0.0352	0.0357	%	98.5	80.0	- 120	Acceptable	
CBC	2	0.0330	0.0334	%	98.7	80.0	- 120	Acceptable	
THCA	1	0.0350	0.0352	%	99.3	90.0	- 110	Acceptable	
CBCA	2	0.0310	0.0310	%	100	80.0	- 120	Acceptable	
CBLA	2	0.0313	0.0314	%	99.6	80.0	- 120	Acceptable	
d9THCP	2	0.0306	0.0311	%	98.6	80.0	- 120	Acceptable	
CBT	2	0.0323	0.0323	%	100	80.0	- 120	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.00326	%	< 0.00326	Acceptable	
CBDV	<LOQ	0.00326	%	< 0.00326	Acceptable	
CBE	<LOQ	0.00326	%	< 0.00326	Acceptable	
CBDA	<LOQ	0.00326	%	< 0.00326	Acceptable	
CBGA	<LOQ	0.00326	%	< 0.00326	Acceptable	
CBG	<LOQ	0.00326	%	< 0.00326	Acceptable	
CBD	<LOQ	0.00326	%	< 0.00326	Acceptable	
THCV	<LOQ	0.00326	%	< 0.00326	Acceptable	
d8THCV	<LOQ	0.00326	%	< 0.00326	Acceptable	
THCVA	<LOQ	0.00326	%	< 0.00326	Acceptable	
CBN	<LOQ	0.00326	%	< 0.00326	Acceptable	
exo-THC	<LOQ	0.00326	%	< 0.00326	Acceptable	
d9THC	<LOQ	0.00326	%	< 0.00326	Acceptable	
d8THC	<LOQ	0.00326	%	< 0.00326	Acceptable	
9S-d10THC	<LOQ	0.00326	%	< 0.00326	Acceptable	
CBL	<LOQ	0.00326	%	< 0.00326	Acceptable	
9R-d10THC	<LOQ	0.00326	%	< 0.00326	Acceptable	
CBC	<LOQ	0.00326	%	< 0.00326	Acceptable	
THCA	<LOQ	0.00326	%	< 0.00326	Acceptable	
CBCA	<LOQ	0.00326	%	< 0.00326	Acceptable	
CBLA	<LOQ	0.00326	%	< 0.00326	Acceptable	
d9THCP	<LOQ	0.00326	%	< 0.00326	Acceptable	
CBT	<LOQ	0.00326	%	< 0.00326	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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Laboratory Quality Control Results

J AOAC 2015 V98-6						Batch ID: 2407665		
Sample Duplicate						Sample ID: **24-010991-0001**		
Analyte	**Result**	**Org. Result**	**LOQ**	**Units**	**RPD**	**Limits**	**Evaluation**	**Notes**
CBDVA	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
CBDV	0.00586	0.00571	0.00315	%	2.47	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
CBD	0.983	0.982	0.00315	%	0.108	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.00315	%	NA	< 20	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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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.