Columbia LABORATORIES
A Tentamus Company

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

Customer: Treeline
Product identity: VOM.400 25mg CBD ISO Elderberry
Client/Metrc ID: .
Laboratory ID: 24-001162-0002

Summary

Potency:

Analyte per 3.6g	Result	Limits	Units	Status
CBD per 3.6g	27.4		mg/3.6g	

CBD-Total per Serving Size	27.4 mg/3.6g
THC-Total per Serving Size	<LOQ
	(Reported in milligrams per serving)

Customer: Treeline
6425 W 52nd AVE #8
Arvada Colorado 80002
United States of America (USA)

Product identity: VOM.400 25mg CBD ISO Elderberry
Client/Metrc ID: .
Sample Date:
Laboratory ID: 24-001162-0002
Evidence of Cooling: No
Temp: 17.1 ℃
Relinquished by: shipping
Serving Size #1: 3.6 g

Sample Results

Potency per 3.6g	**Method:** J AOAC 2015 V98-6 (mod)ᵇ		**Units** mg/se **Batch:** 2400923		**Analyze:** 2/5/24 6:56:00 PM
Analyte	Result	Limits	Units	LOQ	Notes
CBD per 3.6g	27.4		mg/3.6g	0.111	
CBD-A per 3.6g	< LOQ		mg/3.6g	0.111	
CBD-Total per 3.6g	27.4		mg/3.6g	0.208	
CBG per 3.6g	< LOQ		mg/3.6g	0.111	
CBG-A per 3.6g	< LOQ		mg/3.6g	0.111	
CBG-Total per 3.6g	< LOQ		mg/3.6g	0.207	
CBN per 3.6g	< LOQ		mg/3.6g	0.111	
Δ10-THC-9R per 3.6g	< LOQ		mg/3.6g	0.111	
Δ10-THC-9S per 3.6g	< LOQ		mg/3.6g	0.111	
Δ10-THC-Total per 3.6g	< LOQ		mg/3.6g	0.222	
Δ8-THC per 3.6g	< LOQ		mg/3.6g	0.111	
Δ9-THC per 3.6g	< LOQ		mg/3.6g	0.111	
THC-A per 3.6g	< LOQ		mg/3.6g	0.111	
THC-Total per 3.6g	< LOQ		mg/3.6g	0.208	
Total Cannabinoids per 3.6g	27.4		mg/3.6g		

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ORELAP#: OR100028
Purchase Order:
Received: 02/02/24 10:49

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.

ᵇ = ISO/IEC 17025:2017 accredited method.

Units of Measure

g = g
mg/3.6g = Milligram per 3.6g
% = Percentage of sample
% wt = μg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager

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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: 2400923				

Laboratory Control Sample

Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	2	0.0317	0.0324	%	97.8	80.0 -	120	Acceptable	
CBDV	2	0.0335	0.0347	%	96.6	80.0 -	120	Acceptable	
CBE	2	0.0338	0.0350	%	96.4	80.0 -	120	Acceptable	
CBDA	1	0.0303	0.0306	%	98.8	90.0 -	110	Acceptable	
CBGA	1	0.0296	0.0303	%	97.5	80.0 -	120	Acceptable	
CBG	1	0.0316	0.0327	%	96.7	80.0 -	120	Acceptable	
CBD	1	0.0332	0.0335	%	99.2	90.0 -	110	Acceptable	
THCV	2	0.0335	0.0345	%	97.2	80.0 -	120	Acceptable	
d8THCV	2	0.0293	0.0303	%	96.7	80.0 -	120	Acceptable	
THCVA	2	0.0311	0.0318	%	97.8	80.0 -	120	Acceptable	
CBN	1	0.0296	0.0301	%	98.1	80.0 -	120	Acceptable	
exo-THC	2	0.0318	0.0330	%	96.4	80.0 -	120	Acceptable	
d9THC	1	0.0314	0.0317	%	99.3	90.0 -	110	Acceptable	
d8THC	1	0.0295	0.0304	%	96.7	90.0 -	110	Acceptable	
9S-d10THC	1	0.0314	0.0324	%	96.9	80.0 -	120	Acceptable	
CBL	2	0.0319	0.0326	%	97.8	80.0 -	120	Acceptable	
9R-d10THC	1	0.0304	0.0317	%	95.9	80.0 -	120	Acceptable	
CBC	2	0.0332	0.0349	%	95.2	80.0 -	120	Acceptable	
THCA	1	0.0293	0.0296	%	98.7	90.0 -	110	Acceptable	
CBCA	2	0.0324	0.0334	%	96.9	80.0 -	120	Acceptable	
CBLA	2	0.0328	0.0338	%	96.9	80.0 -	120	Acceptable	
d9THCP	2	0.0314	0.0328	%	95.8	80.0 -	120	Acceptable	
CBT	2	0.0323	0.0347	%	93.2	80.0 -	120	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.00322	%	< 0.00322	Acceptable	
CBDV	<LOQ	0.00322	%	< 0.00322	Acceptable	
CBE	<LOQ	0.00322	%	< 0.00322	Acceptable	
CBDA	<LOQ	0.00322	%	< 0.00322	Acceptable	
CBGA	<LOQ	0.00322	%	< 0.00322	Acceptable	
CBG	<LOQ	0.00322	%	< 0.00322	Acceptable	
CBD	<LOQ	0.00322	%	< 0.00322	Acceptable	
THCV	<LOQ	0.00322	%	< 0.00322	Acceptable	
d8THCV	<LOQ	0.00322	%	< 0.00322	Acceptable	
THCVA	<LOQ	0.00322	%	< 0.00322	Acceptable	
CBN	<LOQ	0.00322	%	< 0.00322	Acceptable	
exo-THC	<LOQ	0.00322	%	< 0.00322	Acceptable	
d9THC	<LOQ	0.00322	%	< 0.00322	Acceptable	
d8THC	<LOQ	0.00322	%	< 0.00322	Acceptable	
9S-d10THC	<LOQ	0.00322	%	< 0.00322	Acceptable	
CBL	<LOQ	0.00322	%	< 0.00322	Acceptable	
9R-d10THC	<LOQ	0.00322	%	< 0.00322	Acceptable	
CBC	<LOQ	0.00322	%	< 0.00322	Acceptable	
THCA	<LOQ	0.00322	%	< 0.00322	Acceptable	
CBCA	<LOQ	0.00322	%	< 0.00322	Acceptable	
CBLA	<LOQ	0.00322	%	< 0.00322	Acceptable	
d9THCP	<LOQ	0.00322	%	< 0.00322	Acceptable	
CBT	<LOQ	0.00322	%	< 0.00322	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: 2400923			
Sample Duplicate						Sample ID: 24-001141-0001			
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.00321	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.00321	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.00321	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.00321	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.00321	%	NA	< 20	Acceptable	
CBG	0.0147	0.0149	0.00321	%	0.931	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.00321	%	NA	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.00321	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.00321	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.00321	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.00321	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.00321	%	NA	< 20	Acceptable	
d9THC	0.244	0.248	0.00321	%	1.43	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.00321	%	NA	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.00321	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.00321	%	NA	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.00321	%	NA	< 20	Acceptable	
CBC	0.00444	0.00445	0.00321	%	0.364	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.00321	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.00321	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.00321	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.00321	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.00321	%	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.