



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



Report Number: 24-009133/D001.R000
Report Date: 08/27/2024
ORELAP#: OR100028
Purchase Order:
Received: 08/20/24 10:33

Customer: Rogue Ales
Product identity: 27138 CBD Tank 27 8/15
Client/Metric ID: .
Laboratory ID: 24-009133-0001

Summary

Potency:

Analyte per 473ml	Result	Limits	Units	Status	
CBD per 473ml	32.1		mg/473ml		CBD-Total per Serving Size 32.1 mg/473ml
					Delta-9-THC-Total per <LOQ
					(Reported in milligrams per serving)



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



Report Number: 24-009133/D001.R000
Report Date: 08/27/2024
ORELAP#: OR100028
Purchase Order:
Received: 08/20/24 10:33

Customer: Rogue Ales
 2320 OSU Drive
 Newport Oregon 97365
 United States of America (USA)

Product identity: 27138 CBD Tank 27 8/15

Client/Metric ID: .

Sample Date:

Laboratory ID: 24-009133-0001

Evidence of Cooling: No

Temp: 23.8 °C

Relinquished by: Client

Serving Size #1: 473.946 g

Density: 1.002 g/ml

Sample Results

Potency per 473ml		Method: J AOAC 2015 V98-6 (mod) ^b		Units mg/se Batch: 2406400		Analyze: 8/23/24 9:13:00 AM
Analyte	Result	Limits	Units	LOQ	Notes	
CBD per 473ml	32.1		mg/473ml	0.472		
CBD-A per 473ml [±]	< LOQ		mg/473ml	0.472		
CBD-Total per 473ml [±]	32.1		mg/473ml	0.887		
CBG per 473ml	< LOQ		mg/473ml	0.472		
CBG-A per 473ml	< LOQ		mg/473ml	0.472		
CBG-Total per 473ml	< LOQ		mg/473ml	0.882		
CBN per 473ml	< LOQ		mg/473ml	0.472		
Δ10-THC-9R per 473ml	< LOQ		mg/473ml	0.472		
Δ10-THC-9S per 473ml	< LOQ		mg/473ml	0.472		
Δ10-THC-Total per 473ml	< LOQ		mg/473ml	0.945		
Δ8-THC per 473ml [±]	< LOQ		mg/473ml	0.472		
Δ9-THC per 473ml [±]	< LOQ		mg/473ml	0.472		
Δ9-THC-Total per 473ml	< LOQ		mg/473ml	0.887		
THC-A per 473ml [±]	< LOQ		mg/473ml	0.472		



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



Report Number: 24-009133/D001.R000
Report Date: 08/27/2024
ORELAP#: OR100028
Purchase Order:
Received: 08/20/24 10:33

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.

^p = ISO/IEC 17025:2017 accredited method.

[⊥] = TNI accredited analyte.

Units of Measure

g = Gram

g/ml = Gram per milliliter

mg/473ml = Milligram per 473ml

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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

Report Number: 24-009133/D001.R000
Report Date: 08/27/2024
ORELAP#: OR100028
Purchase Order:
Received: 08/20/24 10:33



**Hemp & Cannabis
Chain of Custody**

**Rogue-Ales-and-Spirits-
-1723763546**

Company Details Company: <u>Rogue Ales and Spirits</u> Contact: <u>Allen Morasch</u> Street Address: <u>2320 SE Marine Science Dr</u> City, State, Zip: <u>Newport, OR 97365</u> Email: <u>allenm@roque.com</u> Email, CC: <u>mattf@roque.com</u> Contact Phone: <u>3607629274</u> Billing Information Billing Email: <u>allenm@roque.com</u>					Project Details Turnaround Time: <u>5 Business Days Reg. For Micro Testing Standard</u> Relinquishment Sampling, Courier & Shipping Options: <u>By Shipping Service (USPS, UPS, Fedex)</u> Receipt Information Prelog Storage: <u>Canna Shelves</u> Sample Condition: <u>Satisfactory</u>					Testing H0014 - Potency Cannabis (Basic)
#	Sample Name	Material	Amount Provided	Reporting Unit	Serving Size					
1	27138 CBD Tank 27/8/15	Cannabinoid Beverage	50 ml	mg/serving	473 g	✓				

Relinquished By	Date	Time	Received By	Date	Time	Received Temp., °C	Evidence of Cooling?
<i>Allen Conrad Morasch</i>	<i>08/15/2024</i>	<i>16:12</i>	<i>em</i>	<i>08/20/2024</i>	<i>10:33</i>	<i>23.80</i>	<i>No</i>

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the [current terms of services](#) associated with this COC. By signing "Relinquished by" you are agreeing to these terms.

Columbia Laboratories
12423 NE Whitaker Way
Portland, OR 97230

P: (503) 254-1794
info@columbialaboratories.com

Page 1 of 1
www.columbialaboratories.com



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



Report Number: 24-009133/D001.R000
Report Date: 08/27/2024
ORELAP#: OR100028
Purchase Order:
Received: 08/20/24 10:33

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

Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 2406400**

Laboratory Control Sample

Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	2	0.0010	0.0010	%	100	80.0 - 120	Acceptable	
CBDV	2	0.00103	0.00103	%	99.7	80.0 - 120	Acceptable	
CBE	2	0.0010	0.0010	%	98.5	80.0 - 120	Acceptable	
CBDA	1	0.0009	0.0009	%	97.6	90.0 - 110	Acceptable	
CBGA	1	0.0009	0.0009	%	98.7	80.0 - 120	Acceptable	
CBG	1	0.00104	0.00105	%	99.0	80.0 - 120	Acceptable	
CBD	1	0.00104	0.00107	%	97.6	90.0 - 110	Acceptable	
THCV	2	0.00106	0.00106	%	100	80.0 - 120	Acceptable	
d8THCV	2	0.00103	0.00104	%	98.9	80.0 - 120	Acceptable	
THCVA	2	0.0010	0.0009	%	100	80.0 - 120	Acceptable	
CBN	1	0.00102	0.00103	%	99.7	80.0 - 120	Acceptable	
exo-THC	2	0.0009	0.0009	%	97.4	80.0 - 120	Acceptable	
d9THC	1	0.00107	0.00108	%	99.4	90.0 - 110	Acceptable	
d8THC	1	0.0008	0.0008	%	98.2	90.0 - 110	Acceptable	
9S-d10THC	1	0.0010	0.0010	%	100.0	80.0 - 120	Acceptable	
CBL	2	0.00102	0.00103	%	99.0	80.0 - 120	Acceptable	
9R-d10THC	1	0.0009	0.0010	%	98.3	80.0 - 120	Acceptable	
CBC	2	0.0010	0.0010	%	99.8	80.0 - 120	Acceptable	
THCA	1	0.0009	0.0009	%	98.1	90.0 - 110	Acceptable	
CBCA	2	0.0009	0.0010	%	94.9	80.0 - 120	Acceptable	
CBLA	2	0.0009	0.0009	%	97.5	80.0 - 120	Acceptable	
d9THCP	2	0.0010	0.0010	%	101	80.0 - 120	Acceptable	
CBT	2	0.0010	0.00103	%	92.8	80.0 - 120	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBDV	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBE	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBDA	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBGA	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBG	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBD	<LOQ	0.0001	%	< 0.0001	Acceptable	
THCV	<LOQ	0.0001	%	< 0.0001	Acceptable	
d8THCV	<LOQ	0.0001	%	< 0.0001	Acceptable	
THCVA	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBN	<LOQ	0.0001	%	< 0.0001	Acceptable	
exo-THC	<LOQ	0.0001	%	< 0.0001	Acceptable	
d9THC	<LOQ	0.0001	%	< 0.0001	Acceptable	
d8THC	<LOQ	0.0001	%	< 0.0001	Acceptable	
9S-d10THC	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBL	<LOQ	0.0001	%	< 0.0001	Acceptable	
9R-d10THC	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBC	<LOQ	0.0001	%	< 0.0001	Acceptable	
THCA	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBCA	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBLA	<LOQ	0.0001	%	< 0.0001	Acceptable	
d9THCP	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBT	<LOQ	0.0001	%	< 0.0001	Acceptable	

Abbreviations

ND - None Detected at or above MRL
 RPD - Relative Percent Difference
 LOQ - Limit of Quantitation

Units of Measure:

% - Percent



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



Report Number: 24-009133/D001.R000
Report Date: 08/27/2024
ORELAP#: OR100028
Purchase Order:
Received: 08/20/24 10:33

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

Laboratory Quality Control Results

AOAC 2015 V98-6		Batch ID: 2406400						
Sample Duplicate		Sample ID: 24-009064-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBG	0.00310	0.00308	0.0001	%	0.691	< 20	Acceptable	
CBD	0.00599	0.00595	0.0001	%	0.668	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	

Abbreviations

ND - None Detected at or above MRL
 RPD - Relative Percent Difference
 LOQ - Limit of Quantitation

Units of Measure:

% - Percent



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



Report Number: 24-009133/D001.R000
Report Date: 08/27/2024
ORELAP#: OR100028
Purchase Order:
Received: 08/20/24 10:33





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.