



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



Report Number: 24-008812/D001.R000
Report Date: 08/20/2024
ORELAP#: OR100028
Purchase Order:
Received: 08/13/24 10:00

Customer: Rogue Ales
Product identity: CBD - 27147
Client/Metric ID: .
Laboratory ID: 24-008812-0001

Summary

Potency:

| Analyte per 473ml | Result | Limits | Units | Status | |
|-------------------|--------|--------|----------|--------|--|
| CBD per 473ml | 31.5 | | mg/473ml | | CBD-Total per Serving Size 31.5 mg/473ml |
| | | | | | Delta-9-THC-Total per <LOQ |
| | | | | | (Reported in milligrams per serving) |



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

Product identity: CBD - 27147
Client/Metric ID: .
Sample Date:
Laboratory ID: 24-008812-0001
Evidence of Cooling: No
Temp: 22.9 °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: 2406252 | | Analyze: 8/16/24 8:20:00 PM |
|----------------------------------|--------|--|----------|----------------------------|-------|-----------------------------|
| Analyte | Result | Limits | Units | LOQ | Notes | |
| CBD per 473ml | 31.5 | | mg/473ml | 0.467 | | |
| CBD-A per 473ml [±] | < LOQ | | mg/473ml | 0.467 | | |
| CBD-Total per 473ml [±] | 31.5 | | mg/473ml | 0.876 | | |
| CBG per 473ml | < LOQ | | mg/473ml | 0.467 | | |
| CBG-A per 473ml | < LOQ | | mg/473ml | 0.467 | | |
| CBG-Total per 473ml | < LOQ | | mg/473ml | 0.872 | | |
| CBN per 473ml | < LOQ | | mg/473ml | 0.467 | | |
| Δ10-THC-9R per 473ml | < LOQ | | mg/473ml | 0.467 | | |
| Δ10-THC-9S per 473ml | < LOQ | | mg/473ml | 0.467 | | |
| Δ10-THC-Total per 473ml | < LOQ | | mg/473ml | 0.934 | | |
| Δ8-THC per 473ml [±] | < LOQ | | mg/473ml | 0.467 | | |
| Δ9-THC per 473ml [±] | < LOQ | | mg/473ml | 0.467 | | |
| Δ9-THC-Total per 473ml | < LOQ | | mg/473ml | 0.876 | | |
| THC-A per 473ml [±] | < LOQ | | mg/473ml | 0.467 | | |



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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.

^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



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**Hemp & Cannabis
 Chain of Custody**

**Rogue-Ales-and-Spirits-
 1723219942**

| Company Details Company: <u>Rogue Ales and Spirits</u> Contact: <u>Matthew Fulcher</u> Street Address: <u>2320 SE OSU DR</u> City, State, Zip: <u>Newport, undefined 97365-5261</u> Email: <u>mattf@roque.com</u> Contact Phone: <u>9167598258</u> Company Phone: <u>9167598258</u> Billing Information Billing Phone: <u>9167598258</u> Billing Email: <u>mattf@roque.com</u> | | | Project Details Turnaround Time: <u>5 Business Days Req. 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 | Additional Test Requests and Sample Comments | |
| 1 | CBD-27147 | Cannabinoid Beverage | 50 ml | mg/serving | 473 g | 473 mL/serving | ✓ |

| Relinquished By | Date | Time | Received By | Date | Time | Received Temp., °C | Evidence of Cooling? |
|------------------------|-------------------|--------------|-------------|-------------------|--------------|--------------------|----------------------|
| <i>Matthew Fulcher</i> | <i>08/09/2024</i> | <i>09:12</i> | <i>ont</i> | <i>08/13/2024</i> | <i>10:00</i> | <i>22.90</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
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www.columbialaboratories.com



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Purchase Order:
Received: 08/13/24 10:00

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

Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 0

Laboratory Control Sample

| Analyte | LCS | Result | Spike | Units | % Rec | Limits | Evaluation | Notes |
|-----------|-----|---------|---------|-------|-------|------------|------------|-------|
| CBDVA | 2 | 0.0009 | 0.0010 | % | 92.0 | 80.0 - 120 | Acceptable | |
| CBDV | 2 | 0.0010 | 0.00104 | % | 94.9 | 80.0 - 120 | Acceptable | |
| CBE | 2 | 0.0009 | 0.0010 | % | 95.3 | 80.0 - 120 | Acceptable | |
| CBDA | 1 | 0.0009 | 0.0009 | % | 95.6 | 90.0 - 110 | Acceptable | |
| CBGA | 1 | 0.0009 | 0.0009 | % | 97.0 | 80.0 - 120 | Acceptable | |
| CBG | 1 | 0.00102 | 0.00104 | % | 98.3 | 80.0 - 120 | Acceptable | |
| CBD | 1 | 0.00108 | 0.00105 | % | 102 | 90.0 - 110 | Acceptable | |
| THCV | 2 | 0.00102 | 0.00107 | % | 96.0 | 80.0 - 120 | Acceptable | |
| d8THCV | 2 | 0.00101 | 0.00105 | % | 96.6 | 80.0 - 120 | Acceptable | |
| THCVA | 2 | 0.0009 | 0.0010 | % | 91.1 | 80.0 - 120 | Acceptable | |
| CBN | 1 | 0.00100 | 0.00101 | % | 98.8 | 80.0 - 120 | Acceptable | |
| exo-THC | 2 | 0.0009 | 0.0009 | % | 95.3 | 80.0 - 120 | Acceptable | |
| d9THC | 1 | 0.00106 | 0.00106 | % | 100 | 90.0 - 110 | Acceptable | |
| d8THC | 1 | 0.0007 | 0.0008 | % | 97.1 | 90.0 - 110 | Acceptable | |
| 9S-d10THC | 1 | 0.0009 | 0.0010 | % | 98.1 | 80.0 - 120 | Acceptable | |
| CBL | 2 | 0.0010 | 0.00104 | % | 94.5 | 80.0 - 120 | Acceptable | |
| 9R-d10THC | 1 | 0.0009 | 0.0009 | % | 97.1 | 80.0 - 120 | Acceptable | |
| CBC | 2 | 0.0009 | 0.0010 | % | 96.5 | 80.0 - 120 | Acceptable | |
| THCA | 1 | 0.0009 | 0.0009 | % | 95.3 | 90.0 - 110 | Acceptable | |
| CBCA | 2 | 0.0009 | 0.0010 | % | 90.7 | 80.0 - 120 | Acceptable | |
| CBLA | 2 | 0.0009 | 0.0009 | % | 90.9 | 80.0 - 120 | Acceptable | |
| d9THCP | 2 | 0.0009 | 0.0010 | % | 96.8 | 80.0 - 120 | Acceptable | |
| CBT | 2 | 0.0010 | 0.00104 | % | 95.2 | 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



Laboratory Quality Control Results

| AOAC 2015 V98-6 | | Batch ID: 0 | | | | | | |
|------------------|---------|---------------------------|--------|-------|------|--------|------------|-------|
| Sample Duplicate | | Sample ID: 24-008812-0001 | | | | | | |
| 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 | <LOQ | <LOQ | 0.0001 | % | NA | < 20 | Acceptable | |
| CBD | 0.00682 | 0.00664 | 0.0001 | % | 2.66 | < 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



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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. |