# Columbia LABORATORIES
### A Tentamus Company

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

**REPORT NUMBER:** 24-004258/D002.R000
**Report Date:** 04/25/2024
**ORELAP#:** OR100028
**Purchase Order:**
**Received:** 04/18/24  10:48

**Customer:** Rogue Ales
**Product identity:** Blackberry Cucumber 27006
**Client/Metrc ID:** .
**Laboratory ID:** 24-004258-0002

# Summary

**Potency:**

| Analyte per 473g | Result | Limits | Units | Status | | |
|---|---|---|---|---|---|---|
| CBD per 473g | 26.1 | | mg/473g | | CBD-Total per Serving Size | 26.1 mg/473g |
| | | | | | THC-Total per Serving Size | <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:** Blackberry Cucumber 27006
**Client/Metrc ID:** .
**Sample Date:**
**Laboratory ID:** 24-004258-0002
**Evidence of Cooling:** No
**Temp:** 17.9 ℃
**Serving Size #1:** 473 g
**Density:** 1.000 g/ml

## Sample Results

| Potency per 473g | **Method:** J AOAC 2015 V98-6 (mod) | | **Units** mg/se **Batch:** 2403089 | | **Analyze:** 4/23/24  6:22:00 PM |
|---|---|---|---|---|---|
| **Analyte** | **Result** | **Limits** | **Units** | **LOQ** | **Notes** |
| CBD per 473g | 26.1 | | mg/473g | 0.470 | |
| CBD-A per 473g | < LOQ | | mg/473g | 0.470 | |
| CBD-Total per 473g | 26.1 | | mg/473g | 0.882 | |
| CBG per 473g | < LOQ | | mg/473g | 0.470 | |
| CBG-A per 473g | < LOQ | | mg/473g | 0.470 | |
| CBG-Total per 473g | < LOQ | | mg/473g | 0.877 | |
| CBN per 473g | < LOQ | | mg/473g | 0.470 | |
| Δ10-THC-9R per 473g | < LOQ | | mg/473g | 0.470 | |
| Δ10-THC-9S per 473g | < LOQ | | mg/473g | 0.470 | |
| Δ10-THC-Total per 473g | < LOQ | | mg/473g | 0.940 | |
| Δ8-THC per 473g | < LOQ | | mg/473g | 0.470 | |
| Δ9-THC per 473g | < LOQ | | mg/473g | 0.470 | |
| THC-A per 473g | < LOQ | | mg/473g | 0.470 | |
| THC-Total per 473g | < LOQ | | mg/473g | 0.882 | |

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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.

¥ = TNI accredited analyte.

*Units of Measure*

g = Gram
g/ml = Gram per milliliter
mg/473g = Milligram per 473g
% = Percentage of sample
% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager

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| | |
|---|---|
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**Columbia** LABORATORIES
A Tentamus Company

Hemp & Cannabis
Chain of Custody

Rogue-Ales-and-Spirits-
1713370307

ORELAP ID: OR1000028 ANAB ISO 17025 ID: AT1508

|  |  |
|---|---|
| **Company Details** | |
| Company: Rogue Ales and Spirits | |
| Contact: Matthew Fulcher | |
| Street Address: 2320 SE OSU DR | |
| City, State, Zip: Newport, unde_ned 97365-5261 | |
| Email: mattf@rogue.com | |
| Email, CC: acctpay@rogue.com | |
| Contact Phone: 9167598258 | |
| Company Phone: 9167598258 | |
| **Billing Information** | |
| Billing Phone: 9167598258 | |
| Billing Email: mattf@rogue.com | |

**Project Details**
Turnaround Time: 5 Business Days | Req. For Micro Testing | Standard
Relinquishment | Sampling, Courier & Shipping Options: By Shipping Service (USPS, UPS, Fedex)
Compliance: Research and Development (RND)
Receipt Information
Pre-Log Storage: Canna Shelves
Sample Condition: Satisfactory

Testing

H0014 - Potency Cannabis (Basic)

| # | Sample Name | Material | Amount Provided | Reporting Unit | Serving Size | |
|---|---|---|---|---|---|---|
| 1 | Passion Fruit Blueberry 27005 | Cannabinoid Beverage | 50 ml | mg/serving | 473 g | ✓ |
| 2 | Blackberry Cucumber 27006 | Cannabinoid Beverage | 50 ml | mg/serving | 473 g | ✓ |

| Relinquished By | Date | Time | Received By | Date | Time | Received Temp., °C | Evidence of Cooling? |
|---|---|---|---|---|---|---|---|
| Matthew Fulcher | 04/17/2024 | 09:11 | eem | 04/18/2024 | 10:48 | 17.90 | No |

*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*

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Legacy ID: Worksheet Validated 04/20/2021

## Laboratory Quality Control Results

**J AOAC 2015 V98-6**   **Batch ID: 2403089**

**Laboratory Control Sample**

| Analyte | LCS | Result | Spike | Units | % Rec | Limits | | Evaluation | Notes |
|---|---|---|---|---|---|---|---|---|---|
| CBDVA | 2 | 0.0009 | 0.0010 | % | 91.9 | 80.0 | - 120 | Acceptable | |
| CBDV | 2 | 0.00107 | 0.00104 | % | 103 | 80.0 | - 120 | Acceptable | |
| CBE | 2 | 0.00110 | 0.00104 | % | 105 | 80.0 | - 120 | Acceptable | |
| CBDA | 1 | 0.0009 | 0.0009 | % | 98.3 | 90.0 | - 110 | Acceptable | |
| CBGA | 1 | 0.0009 | 0.0009 | % | 99.6 | 80.0 | - 120 | Acceptable | |
| CBG | 1 | 0.00105 | 0.00103 | % | 102 | 80.0 | - 120 | Acceptable | |
| CBD | 1 | 0.00102 | 0.0010 | % | 103 | 90.0 | - 110 | Acceptable | |
| THCV | 2 | 0.00110 | 0.00107 | % | 103 | 80.0 | - 120 | Acceptable | |
| d8THCV | 2 | 0.0007 | 0.0007 | % | 105 | 80.0 | - 120 | Acceptable | |
| THCVA | 2 | 0.0009 | 0.0010 | % | 90.8 | 80.0 | - 120 | Acceptable | |
| CBN | 1 | 0.0010 | 0.0010 | % | 104 | 80.0 | - 120 | Acceptable | |
| exo-THC | 2 | 0.00110 | 0.00107 | % | 103 | 80.0 | - 120 | Acceptable | |
| d9THC | 1 | 0.00103 | 0.00103 | % | 100 | 90.0 | - 110 | Acceptable | |
| d8THC | 1 | 0.00101 | 0.0009 | % | 112 | 90.0 | - 110 | Acceptable | Q1 |
| 9S-d10THC | 1 | 0.0010 | 0.0010 | % | 104 | 80.0 | - 120 | Acceptable | |
| CBL | 2 | 0.00102 | 0.00105 | % | 97.0 | 80.0 | - 120 | Acceptable | |
| 9R-d10THC | 1 | 0.0010 | 0.0009 | % | 104 | 80.0 | - 120 | Acceptable | |
| CBC | 2 | 0.00112 | 0.00106 | % | 106 | 80.0 | - 120 | Acceptable | |
| THCA | 1 | 0.0009 | 0.0009 | % | 97.8 | 90.0 | - 110 | Acceptable | |
| CBCA | 2 | 0.0009 | 0.0010 | % | 87.4 | 80.0 | - 120 | Acceptable | |
| CBLA | 2 | 0.0010 | 0.00104 | % | 92.0 | 80.0 | - 120 | Acceptable | |
| d9THCP | 2 | 0.00101 | 0.0010 | % | 102 | 80.0 | - 120 | Acceptable | |
| CBT | 2 | 0.00108 | 0.00105 | % | 103 | 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
Q1 - Quality control result biased high. Only non-detect samples reported.

**Units of Measure:**
% - Percent

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Legacy ID:  Worksheet Validated 04/20/2021

**Laboratory Quality Control Results**

| J AOAC 2015 V98-6 | | | | | | Batch ID: 2403089 | | |
|---|---|---|---|---|---|---|---|---|
| **Sample Duplicate** | | | | | | Sample ID: **24-004258-0001** | | |
| **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 | 0.00612 | 0.00605 | 0.0001 | % | 1.04 | < 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 | 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. |