



This report cannot be used for ODA, OHA or OLCC compliance requirements.

Product identity: Gummies
Laboratory ID: 19-000264-0004

Client/Metric ID: .
Sample Date:

Summary

Potency:

Analyte per 1g	Result	Limits	Units	LOQ	
CBD per 1g	0.225		mg/1g	0.0333	CBD-Total per 1g 0.225 mg/1g
Analyte per 44.4g	Result	Limits	Units	LOQ	
CBD per 44.4g	9.99		mg/44.4g	1.48	THC-Total per 1g < 0.006 mg/1g
					CBD-Total per 44.4g 9.99 mg/44.4g
					THC-Total per 44.4g < 0.006 mg/44.4
(Reported in milligrams per serving)					



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Customer: Nightingale Remedies

Product identity: Gummies

Client/Metric ID: .

Sample Date:

Laboratory ID: 19-000264-0004

Relinquished by: Patrick Brennan

Temp: 20.03 °C

Serving Size #1: 1 g

Serving Size #2: 44.4 g

Sample Results

Potency per 1g		Batch: 1900262					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 1g [†]	< LOQ		mg/1g	0.0333	01/16/19	J AOAC 2015 V98-6	
CBC-A per 1g [†]	< LOQ		mg/1g	0.0333	01/16/19	J AOAC 2015 V98-6	
CBC-Total per 1g [†]	< LOQ		mg/1g	0.0626	01/16/19	J AOAC 2015 V98-6	
CBD per 1g	0.225		mg/1g	0.0333	01/16/19	J AOAC 2015 V98-6	
CBD-A per 1g	< LOQ		mg/1g	0.0333	01/16/19	J AOAC 2015 V98-6	
CBD-Total per 1g	0.225		mg/1g	0.0626	01/16/19	J AOAC 2015 V98-6	
CBDV per 1g [†]	< LOQ		mg/1g	0.0333	01/16/19	J AOAC 2015 V98-6	
CBDV-A per 1g [†]	< LOQ		mg/1g	0.0333	01/16/19	J AOAC 2015 V98-6	
CBDV-Total per 1g [†]	< LOQ		mg/1g	0.0622	01/16/19	J AOAC 2015 V98-6	
CBG per 1g [†]	< LOQ		mg/1g	0.0333	01/16/19	J AOAC 2015 V98-6	
CBG-A per 1g [†]	< LOQ		mg/1g	0.0333	01/16/19	J AOAC 2015 V98-6	
CBG-Total per 1g [†]	< LOQ		mg/1g	0.0626	01/16/19	J AOAC 2015 V98-6	
CBL per 1g [†]	< LOQ		mg/1g	0.0333	01/16/19	J AOAC 2015 V98-6	
CBN per 1g	< LOQ		mg/1g	0.0333	01/16/19	J AOAC 2015 V98-6	
Δ8-THC per 1g [†]	< LOQ		mg/1g	0.0333	01/16/19	J AOAC 2015 V98-6	
Δ9-THC per 1g	< LOQ		mg/1g	0.0333	01/16/19	J AOAC 2015 V98-6	
THC-A per 1g	< LOQ		mg/1g	0.0333	01/16/19	J AOAC 2015 V98-6	
THC-Total per 1g	< LOQ		mg/1g	0.0626	01/16/19	J AOAC 2015 V98-6	
THCV per 1g [†]	< LOQ		mg/1g	0.0333	01/16/19	J AOAC 2015 V98-6	
THCV-A per 1g [†]	< LOQ		mg/1g	0.0333	01/16/19	J AOAC 2015 V98-6	
THCV-Total per 1g [†]	< LOQ		mg/1g	0.0622	01/16/19	J AOAC 2015 V98-6	

Potency per 44.4g		Batch: 1900262					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 44.4g [†]	< LOQ		mg/44.4g	1.48	01/16/19	J AOAC 2015 V98-6	
CBC-A per 44.4g [†]	< LOQ		mg/44.4g	1.48	01/16/19	J AOAC 2015 V98-6	
CBC-Total per 44.4g [†]	< LOQ		mg/44.4g	2.78	01/16/19	J AOAC 2015 V98-6	



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Potency per 44.4g		Batch: 1900262					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBD per 44.4g	9.99		mg/44.4g	1.48	01/16/19	J AOAC 2015 V98-6	
CBD-A per 44.4g	< LOQ		mg/44.4g	1.48	01/16/19	J AOAC 2015 V98-6	
CBD-Total per 44.4g	9.99		mg/44.4g	2.78	01/16/19	J AOAC 2015 V98-6	
CBDV per 44.4g†	< LOQ		mg/44.4g	1.48	01/16/19	J AOAC 2015 V98-6	
CBDV-A per 44.4g†	< LOQ		mg/44.4g	1.48	01/16/19	J AOAC 2015 V98-6	
CBDV-Total per 44.4g†	< LOQ		mg/44.4g	2.76	01/16/19	J AOAC 2015 V98-6	
CBG per 44.4g†	< LOQ		mg/44.4g	1.48	01/16/19	J AOAC 2015 V98-6	
CBG-A per 44.4g†	< LOQ		mg/44.4g	1.48	01/16/19	J AOAC 2015 V98-6	
CBG-Total per 44.4g†	< LOQ		mg/44.4g	2.78	01/16/19	J AOAC 2015 V98-6	
CBL per 44.4g†	< LOQ		mg/44.4g	1.48	01/16/19	J AOAC 2015 V98-6	
CBN per 44.4g	< LOQ		mg/44.4g	1.48	01/16/19	J AOAC 2015 V98-6	
Δ8-THC per 44.4g†	< LOQ		mg/44.4g	1.48	01/16/19	J AOAC 2015 V98-6	
Δ9-THC per 44.4g	< LOQ		mg/44.4g	1.48	01/16/19	J AOAC 2015 V98-6	
THC-A per 44.4g	< LOQ		mg/44.4g	1.48	01/16/19	J AOAC 2015 V98-6	
THC-Total per 44.4g	< LOQ		mg/44.4g	2.78	01/16/19	J AOAC 2015 V98-6	
THCV per 44.4g†	< LOQ		mg/44.4g	1.48	01/16/19	J AOAC 2015 V98-6	
THCV-A per 44.4g†	< LOQ		mg/44.4g	1.48	01/16/19	J AOAC 2015 V98-6	
THCV-Total per 44.4g†	< LOQ		mg/44.4g	2.76	01/16/19	J AOAC 2015 V98-6	

Notes:

A target of 10mgCBD/serving was provided by the client, Serving Size #2 is calculated using the target CBD concentration.



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Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220

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.

Units of Measure

g = Gram

mg/1g = Milligram per 1g

mg/44.4g = Milligram per 44.4g

% = Percentage of sample

% wt = $\mu\text{g/g}$ divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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12423 NE Whitaker Way Portland OR 97230 p.503-254-1794

Cannabis Chain of Custody Record

PRICES AND CHARGING

Prices to be charged for work performed for CUSTOMER are those currently published in the Columbia Food Laboratories, Inc. DBA Pixis Labs (herein referred to as "the LAB", where Columbia Food Laboratories, Inc. & Pixis Labs can be used interchangeably) standard price book unless otherwise agreed in writing by the CUSTOMER and the LAB. CUSTOMER must notify the LAB of price quotation at the time of the transfer of sample(s) to the LAB. Any cancellation of testing requirements will result in charges being assessed on all testing completed prior to the notice of cancellation. Unless otherwise agreed upon, samples containing hazardous materials will be shipped back to client at their expense, or disposed of at a certain fee, waste category dependent. Price quotes are valid for one year after initial quote date.

DELIVERY AND LIABILITY LIMITATIONS

The specific format of the goods will be defined by the CUSTOMER to the LAB upon delivery of the sample(s) to the LAB. The LAB will analyze samples provided by CUSTOMER as requested by CUSTOMER in accordance with the procedures documented in the Quality Assurance Plan (QAP). Samples are retained for 15 days. If additional time is desired, then a written request is required, and an additional monthly fee will apply.

CONFIDENTIALITY

The LAB will treat all information regarding work performed for CUSTOMER as proprietary and confidential. No CUSTOMER information will be released to third party persons without the written request of the CUSTOMER.

LIMITATION OF LIABILITY AND WARRANTY

The LAB gives no warranty, express or implied, or of fitness for a particular purpose, in connection with its analytical testing or reporting. Any liability of the LAB to CUSTOMER or any third party shall be limited to the cost of analysis charged to the CUSTOMER.

PAST DUE ACCOUNTS

Credit line account are payable within 30 days. Accounts that are 60 days past due will incur 1.5% per month on all past due sums until paid in full. Customer agrees to pay the interest as a service charge and all the LAB's collection costs, including reasonable attorney fees.

EXPERT TESTIMONY AND COURT APPEARANCES

In the event CUSTOMER requires further written opinion or testimony of any employee of the LAB, including response to a subpoena issued by CUSTOMER or any third person, the CUSTOMER agrees to pay additional fees and expenses as may be reasonably assessed by the LAB.

ALTERNATIVE DISPUTE RESOLUTION (ADR)

Any disputes arising out of this Agreement or the analytical testing or reporting by the LAB shall be settled through mediation and/or arbitration rather than litigation, and the cost of the ADR shall be borne equally by both parties.

APPLICABLE LAW

Legal matters arising from work performed by the LAB for CUSTOMER will be construed and interpreted in accordance with the laws for the state of OREGON. Samples are being received with the full understanding that they are in compliance with state and federal law.

Revision: 1.00 Control#: CF023
Effective 11/8/2018 Revised 11/8/2018

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Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 1900262**

Laboratory Control Sample								
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes	
CBDV-A	0.00946	0.01	%	94.6	85 - 115	Acceptable		
CBDV	0.00949	0.01	%	94.9	85 - 115	Acceptable		
CBD-A	0.00961	0.01	%	96.1	85 - 115	Acceptable		
CBG-A	0.00943	0.01	%	94.3	85 - 115	Acceptable		
CBG	0.0100	0.01	%	100	85 - 115	Acceptable		
CBD	0.00935	0.01	%	93.5	85 - 115	Acceptable		
THCV	0.00961	0.01	%	96.1	85 - 115	Acceptable		
THCVA	0.00944	0.01	%	94.4	85 - 115	Acceptable		
CBN	0.0104	0.01	%	104	85 - 115	Acceptable		
THC	0.0101	0.01	%	101	85 - 115	Acceptable		
D8THC	0.00957	0.01	%	95.7	85 - 115	Acceptable		
CBL	0.00936	0.01	%	93.6	85 - 115	Acceptable		
CBC	0.0103	0.01	%	103	85 - 115	Acceptable		
THCA	0.00950	0.01	%	95.0	85 - 115	Acceptable		
CBCA	0.00927	0.01	%	92.7	85 - 115	Acceptable		

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes	
CBDV-A	ND	0.005	%	< 0.005	Acceptable		
CBDV	ND	0.005	%	< 0.005	Acceptable		
CBD-A	ND	0.005	%	< 0.005	Acceptable		
CBG-A	ND	0.005	%	< 0.005	Acceptable		
CBG	ND	0.005	%	< 0.005	Acceptable		
CBD	ND	0.005	%	< 0.005	Acceptable		
THCV	ND	0.005	%	< 0.005	Acceptable		
THCVA	ND	0.005	%	< 0.005	Acceptable		
CBN	ND	0.005	%	< 0.005	Acceptable		
THC	ND	0.005	%	< 0.005	Acceptable		
D8THC	ND	0.005	%	< 0.005	Acceptable		
CBL	ND	0.005	%	< 0.005	Acceptable		
CBC	ND	0.005	%	< 0.005	Acceptable		
THCA	ND	0.005	%	< 0.005	Acceptable		
CBCA	ND	0.005	%	< 0.005	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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J AOAC 2015 V98-6		Batch ID: 1900262						
Sample Duplicate		Sample ID: 19-000116-0001_R1						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	ND	ND	0.005	%	0	< 20	Acceptable	
CBDV	ND	ND	0.005	%	0	< 20	Acceptable	
CBD-A	ND	ND	0.005	%	0	< 20	Acceptable	
CBG-A	ND	ND	0.005	%	0	< 20	Acceptable	
CBG	ND	ND	0.005	%	0	< 20	Acceptable	
CBD	ND	ND	0.005	%	0	< 20	Acceptable	
THCV	ND	ND	0.005	%	0	< 20	Acceptable	
THCVA	ND	ND	0.005	%	0	< 20	Acceptable	
CBN	ND	ND	0.005	%	0	< 20	Acceptable	
THC	0.0939	0.0953	0.005	%	1.48	< 20	Acceptable	
D8THC	ND	ND	0.005	%	0	< 20	Acceptable	
CBL	ND	ND	0.005	%	0	< 20	Acceptable	
CBC	ND	ND	0.005	%	0	< 20	Acceptable	
THCA	ND	ND	0.005	%	0	< 20	Acceptable	
CBCA	ND	ND	0.005	%	0	< 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.