Certificate of Analysis

EVIO Labs Medford (pka Kenevir Research)
540 East Vilas Road, Suite F, Central Point, OR 97502
541-668-7444 / OLCC 010-1001626980D / www.EVIOLabs.com

Buccal Spray ASC-195033

Rogue Naturals

AG-R1056496IHH (ODA)

Confident Cannabis ID: 1908KR0068.3279
Sample ID: M190999-14
Matrix: Cannabinoid Product (liquid)
METRC Batch #:
Sampling Method/SOP: SOP.T.20.010
Date Sampled: 08/12/19 09:00
Date Accepted: 08/12/19
Harvest/Process Lot ID: 6496IHH-ASC1903

Batch ID: ASC-195033
Batch Size (g): 8448
Unit for Sale: 1oz
Harvest/Production Date: 8-5-19

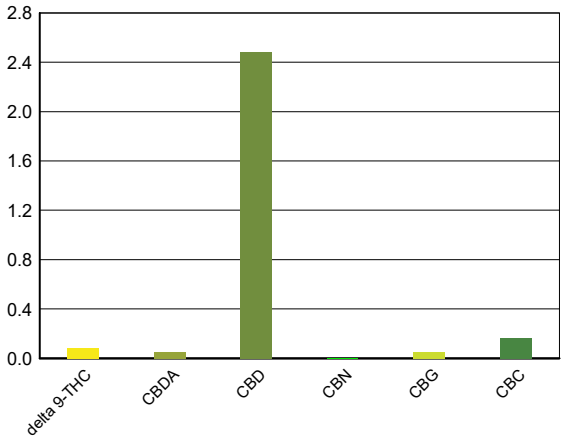
Cannabinoid Analysis

Date/Time Extracted: 08/13/19 16:26
Date/Time Analyzed: 08/13/19 20:52

Analysis Method/SOP: SOP.T.40.020
Sample mass: 0.85g/ mg/mL

Cannabinoids	LOQ(%)	mg/g	mg/mL
Total THC ((THCA*0.877)+△9THC)		**0.855**	**0.727**
Total CBD ((CBDA*0.877)+CBD)		**25.28**	**21.5**
THCA	0.0200	< LOQ	< LOQ
delta 9-THC	0.0200	0.855	0.727
delta 8-THC	0.0200	< LOQ	< LOQ
CBDA	0.0200	0.477	0.405
CBD	0.0200	24.86	21.1
CBN	0.0200	< LOQ	< LOQ
CBG	0.0200	0.508	0.432
CBC	0.0200	1.684	1.43
Sum of tested Cannabinoids	0.0200	28.41	24.1

Cannabinoid Profile



"Total THC" and "Total CBD" are calculated values and are an Oregon reporting requirement (OAR 333-064-0100). For Cannabinoid analysis, only delta 9-THC, THCA, CBD, CBDA are ORELAP accredited analytes. Cannabinoid values reported for plant matter are dry weight corrected; Oregon Water Activity action level is 0.65Aw and Oregon Moisture Content action level is 15%, Samples above limit will be highlighted RED; FD = Field Duplicate; LOQ = Limit of Quantitation.

Stephanie Moon
Laboratory Director - 9/9/2019

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AG-R1056496IHH (ODA)

Sample ID: M190999-14 **METRC Batch #:**

Matrix: Cannabinoid Product

Date Sampled: 08/12/19 09:00
Date Accepted: 08/12/19
Batch ID: ASC-195033
Batch Size: 8448
Sampling Method/SOP: SOP.T.20.010

Yeast and Mold Enumeration

Date/Time Extracted: 08/13/19 10:28
Date/Time Analyzed: 08/15/19 12:18

*Analysis Method/SOP: *** DEFAULT SPECIFIC*

Total Colonies:	0.00	CFU/g

About Your Yeast and Mold Results
Botanical materials often have total yeast and mold counts between 1,500 - 7,500 CFU/g. Products that have undergone exposure to solvents, such as alcohol tinctures or concentrated materials extracted with butane, propane, hexane, carbon dioxide, or other organic solvents will typically feature total yeast and mold counts at 0 CFU/g.

The American Herbal Pharmacoepia recommends herbal products contain no greater than 10,000 CFU/g of total yeasts and molds. Results above 10,000 CFU/g will be highlighted Red.

Yeasts vs Molds
Yeasts and molds are both broad types of fungi. Yeasts are unicellular and reproduce by budding, creating a small smooth apperance, whereas molds are multicellular and grow through fungal strands called hyphae, creating a fuzzy appearance often associated with mold.

Yeasts and molds are commonly found on natural products, and not all are harmful. Nevertheless, yeasts and molds, as well as their spores, can cause lung irritation, facilitate allergic reactions, or even present life-threatening conditions for immuno-compromised consumers. For instance, the dark mold, *Aspergillus*, can produce toxic chemical byproducts which can be harmful to human health. *Aspergillus* spores can lodge in small crevaces in the lungs and grow, leading to a potentially life-threatening condition called Aspergillosis.

A simple total yeast and mold count can be a great way to monitor for potential health hazards in botanical products and help ensure the safety of consumers.

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Rogue Naturals
AG-R1056496IHH (ODA)
Sample ID: M190999-14 **METRC Batch #:**
Matrix: Cannabinoid Product

Date Sampled: 08/12/19 09:00
Date Accepted: 08/12/19
Batch ID: ASC-195033
Batch Size: 8448
Sampling Method/SOP: SOP.T.20.010

Aerobic Plate Count

Date/Time Extracted: 08/13/19 10:27
Date/Time Analyzed: 08/15/19 12:18
*Analysis Method/SOP: *** DEFAULT SPECIFIC*

Total Colonies:	0.00	**CFU/g**

About Your Aerobic Plate Count (APC) Results
An aerobic plate count is a measure of the amount of bacteria in a sample that is capable of living in an oxygenated environment.

The American Herbal Pharmacoepia recommends herbal products contain no greater than 100,000 CFU/g of total viable aerobic bacteria. For CO2 and solvent based extracts, the AHP recommends a limit of no greater than 10,000 CFU/g.

Aerobic plate count is commonly applied to finish products, particularly foods. Traditionally manufacturers will monitor products for aerobic bacteria on a routine basis to ensure that the microbial load of a product is not increasing.

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Quality Control

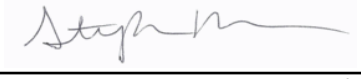
Batch: M19H068 - SOP.T.30.050 Prep for Cannabinoids

Blank(M19H068-BLK1) **Extracted:** 08/13/19 16:26 **Analyzed:** 08/13/19 18:15

Analyte	Result	LOQ	Recovery Limits	Analyte	Result	LOQ	Recovery Limits
THCA	< LOQ	0.0100 (%)	< LOQ	delta 9-THC	< LOQ	0.0100 (%)	< LOQ
delta 8-THC	< LOQ	0.0100 (%)	< LOQ	CBDA	< LOQ	0.0100 (%)	< LOQ
CBD	< LOQ	0.0100 (%)	< LOQ	CBG	< LOQ	0.0100 (%)	< LOQ
CBN	< LOQ	0.0100 (%)	< LOQ	CBC	< LOQ	0.0100 (%)	< LOQ
Sum of tested Cannabinoids	< LOQ	0.0100 (%)	< LOQ				

LCS(M19H068-BS1) **Extracted:** 08/13/19 16:26 **Analyzed:** 08/13/19 18:33

Analyte	% Recovery	LOQ	Recovery Limits	Analyte	% Recovery	LOQ	Recovery Limits
THCA	99.7	(%)	70-130	delta 9-THC	99.2	(%)	70-130
CBDA	103	(%)	70-130	CBD	102	(%)	70-130



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