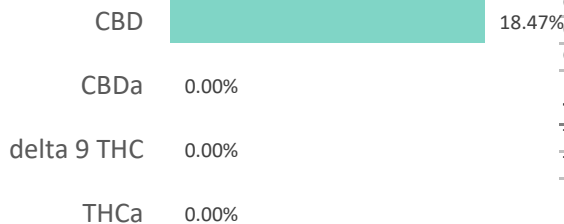
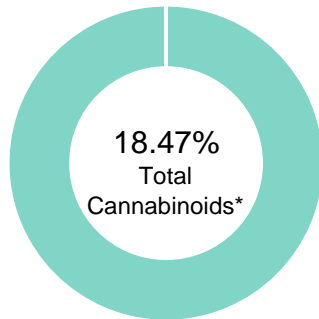


prepared for: DEFY
3858 Walnut St Ste. 168
Denver, CO 80205

WATER SOLUBLE CBD

Batch ID:	CS-04-005D	Test ID:	3117445.0044
Reported:	1-Apr-2019	Method:	TM14
Type:	Concentrate		
Test:	Potency		

CANNABINOID PROFILE



Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.12	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.06	0.00	0.0
Cannabidiolic acid (CBDA)	0.10	0.00	0.0
Cannabidiol (CBD)	0.05	18.47	184.7
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.07	0.00	0.0
Cannabinolic Acid (CBNA)	0.17	0.00	0.0
Cannabinol (CBN)	0.07	0.00	0.0
Cannabigerolic acid (CBGA)	0.11	0.00	0.0
Cannabigerol (CBG)	0.06	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.10	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.05	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.09	0.00	0.0
Cannabidivarin (CBDV)	0.05	0.00	0.0
Cannabichromenic Acid (CBCA)	0.09	0.00	0.0
Cannabichromene (CBC)	0.11	0.00	0.0
Total Cannabinoids		18.47	184.70
Total Potential THC**		0.00	0.00
Total Potential CBD**		18.47	184.70

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.


** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

Total THC = THC + (THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877))

NOTES:

N/A

FINAL APPROVAL


Alex Smith
1-Apr-2019
9:49 AM

PREPARED BY / DATE


David Green
1-Apr-2019
11:18 AM

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02



Certificate #4329.02

Prepared for: Defy
3858 Walnut St. Suite 168
Denver, CO 80205
info@drinkdefy.com
+ 720-893-1129

Lemonade

Report Created:	10/08/2019	CC ID:	1907NCAL0008.0043
Sample Received:	9/17/2019	Method:	NCAL-SOP-102
Batch Number:	19100	Item Name:	Lemonade
		Product Category:	Liquid

PESTICIDE RESULTS – LC MS/MS Analysis

- ND stands for not detected or <LOQ

Compound	LOQ (ppb)	Final result ppb
Daminozide	30.0	ND
Acephate	5.0	ND
Oxamyl	5.0	ND
Flonicamid	30.0	ND
Methomyl	5.0	ND
Thiamethoxam	5.0	ND
Imidacloprid	5.0	ND
Dimethoate	5.0	ND
Mevinphos-1	10.0	ND
Acetamiprid	5.0	ND
Thiacloprid	5.0	ND
Aflatoxin-G2	5.0	ND
Aldicarb	5.0	ND
Aflatoxin-G1	5.0	ND
Aflatoxin-B2	5.0	ND
Dichlorvos	50.0	ND
Propoxur	30.0	ND
Aflatoxin-B1	5.0	ND
Carbofuran	5.0	ND

Compound	LOQ (ppb)	Final result ppb
Carbaryl	30.0	ND
Imazalil	50.0	ND
Naled	5.0	ND
Metalaxyl	5.0	ND
Chloanthraniliprole	5.0	ND
Phosmet	30.0	ND
Spiroxamine-1	5.0	ND
Azoxystrobin	5.0	ND
Fludioxonil	5.0	ND
Boscalid	5.0	ND
Paclobutrazol	5.0	ND
Malathion	50.0	ND
Myclobutanil	50.0	ND
Ochratoxin-M+H	5.0	ND
Bifenazate	30.0	ND
Spirotetramat	5.0	ND
Fipronil	50.0	ND
Ethoprophos	30.0	ND
Fenoxycarb	5.0	ND
Kresoxym-methyl	5.0	ND
Tebuconazole	5.0	ND

Compound	LOQ (ppb)	Final result ppb
Spinosyn A	5.0	ND
Diazinon	5.0	ND
Coumaphos	30.0	ND
Clofentezine	50.0	ND
Trifloxystrobin	5.0	ND
Spinosyn D	5.0	ND
Prallethrin	50.0	ND
Spinetoram	5.0	ND
Piperonyl Butoxide	5.0	ND
Chlorpyrifos	30.0	ND
Hexythiazox	5.0	ND
Etoxazole	5.0	ND
Spiromefesin	500.0	ND
Cyfluthrin	50.0	ND
Pyrethrin I	30.0	ND
Fenpyroximate	5.0	ND
Pyridaben	5.0	ND
Permethrins	50.0	ND
AbamectinB1a	50.0	ND
Etofenprox	50.0	ND
Bifenthrin	50.0	ND

NOTES

Pesticide Testing:

The instrument used for this test is a Liquid Chromatography Tandem Mass Spectrometer (LC MS/MS). The sample is extracted/ dissolved in acetonitrile. This LC MS/MS pesticide extraction and instrument has been validated to detect 68 different pesticides. None of the 68 pesticides detected in this sample.

Final Approval

PREPARED BY / DATE: Deborah Schordock 9/18/19

APPROVED BY / DATE: Carolyn Friedrich 10/9/19

This product has been tested by North Coast Analytical Laboratories, LLC (North Coast). North Coast makes no claims as to the efficacy, safety, or other risks associated with any detected or non-detected levels of any analyte reported herein. Values reported relate only to the product tested. This Certificate shall not be reproduced, except in full, without the written consent of North Coast. ISO/IEC 17025:2017 Accredited A2LA Certificate Number 4849.02.

Prepared for: Defy
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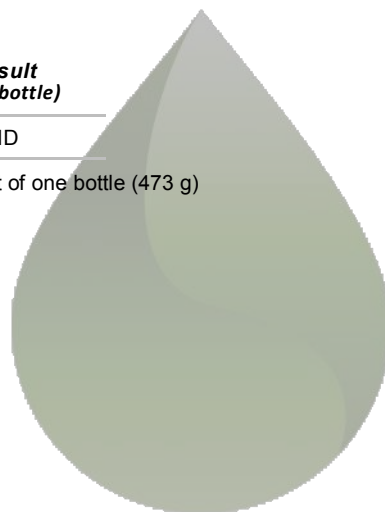
Lemonade

Report Created:	10/08/2019	CC ID:	1907NCAL0008.0043
Sample Received:	9/17/2019	Method:	NCAL 5F-ADB Scan
Batch Number:	19100	Item Name:	Lemonade
		Product Category:	Liquid

5F-ADB RESULTS – DART-HRMS Analysis

Compound	LOQ (mg/bottle)	Result (mg/bottle)
5F-ADB	0.003	ND

* Results in mg/bottle is calculated based on the weight of one bottle (473 g)
- ND stands for not detected or <LOQ



NOTES

5F-ADB Testing:

The instrument used for this test was a direct analysis in real time high resolution mass spectrometer (DART-HRMS). This instrument will scan for 5F-ADB by using the mass of the compound at 378.2186 m/z that is accurate to the fourth decimal point. The sample was then run to detect this mass of 5F-ADB where the compound was not detected. The sample was then run by adding known amounts of 5F-ADB into the sample determine the detection limit of 0.003 mg/bottle. Therefore, we can conclude that there is no detectable amount of 5F-ADB in the bottle.

FINAL APPROVAL

PREPARED BY / DATE: Carolyn Friedrich 10/4/19 APPROVED BY / DATE: Carolyn Friedrich 10/9/19

This product has been tested by North Coast Analytical Laboratories, LLC (North Coast). North Coast makes no claims as to the efficacy, safety, or other risks associated with any detected or non-detected levels of any analyte reported herein. Values reported relate only to the product tested. This Certificate shall not be reproduced, except in full, without the written consent of North Coast. ISO/IEC 17025:2017 Accredited A2LA Certificate Number 4849.02.

Water Soluble CBD

Batch ID:	CS-04-005A	Test ID:	4108137.015
Reported:	28-Mar-2019	Method:	TM04
Type:	Concentrate		
Test:	Residual Solvents		



RESIDUAL SOLVENTS

Solvent	Reportable Range (ppm)	Result (ppm)
Propane	100 - 2000	0
Butanes (Isobutane, n-Butane)	100 - 2000	0
Pentane	100 - 2000	0
Ethanol	100 - 2000	114
Acetone	100 - 2000	0
Isopropyl Alcohol	100 - 2000	0
Hexane	6 - 120	0
Benzene	0.2 - 4	0.0
Heptanes	100 - 2000	0
Toluene	18 - 360	0
Xylenes (m,p,o-Xylenes)	43 - 860	0

NOTES:

Free from visual mold, mildew, and foreign matter.

FINAL APPROVAL


Sam Smith
28-Mar-2019
1:46 PM
David Green
28-Mar-2019
3:10 PM

PREPARED BY / DATE

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02



Certificate #4329.02

Prepared for: Defy
3858 Walnut St. Suite 168
Denver, CO 80205
info@drinkdefy.com
+ 720-893-1129

Lemonade

Report Created:	10/08/2019	CC ID:	1907NCAL0008.0043
Sample Received:	9/17/2019	Method:	NCAL SOP-103
Batch Number:	19100	Item Name:	Lemonade
		Product Category:	Liquid

METAL RESULTS – ICP-MS Analysis

<i>Compound</i>	<i>LOQ (ppm)</i>	<i>Result (ppm)</i>
Arsenic	0.10	ND
Cadmium	0.10	ND
Lead	0.10	ND
Mercury	0.10	ND

- ND stands for not detected or <LOQ

NOTES

Metals Testing:

The instrument used for this test was a inductively coupled plasma mass spectrometer (ICP-MS). The sample is extracted using a microwave extraction and then the extracted sample is run on the instrument. This ICP-MS method is validated for the extracted 4 metals. None of these metals tested were detected in this sample.

FINAL APPROVAL

PREPARED BY / DATE: Deborah Schordock 9/18/19

APPROVED BY / DATE: Carolyn Friedrich 10/9/19

This product has been tested by North Coast Analytical Laboratories, LLC (North Coast). North Coast makes no claims as to the efficacy, safety, or other risks associated with any detected or non-detected levels of any analyte reported herein. Values reported relate only to the product tested. This Certificate shall not be reproduced, except in full, without the written consent of North Coast. ISO/IEC 17025:2017 Accredited A2LA Certificate Number 4849.02.

Water Soluble CBD

Batch ID: CS-04-005B

Reported: 1-Apr-2019

Type: Concentrate

Test: Micro

MICROBIAL CONTAMINANTS

Test	Result	Unit
Total Aerobic Count	None Detected	CFU/g
Total Coliforms	None Detected	CFU/g
Total Yeast and Molds	None Detected	CFU/g
<i>E. coli</i>	None Detected	CFU/g
<i>Salmonella</i>	None Detected	CFU/g

* CFU/g = Colony Forming Unit per Gram

** Total Yeast and Molds values are recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples: $10^2 = 100$ CFU
 $10^3 = 1,000$ CFU
 $10^4 = 10,000$ CFU
 $10^5 = 100,000$ CFU

NOTES:

Free from visual mold, mildew, and foreign matter.

FINAL APPROVAL

Vicente Contreras
1-Apr-2019
11:50 AMDavid Green
1-Apr-2019
1:23 PM

PREPARED BY / DATE

APPROVED BY / DATE

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