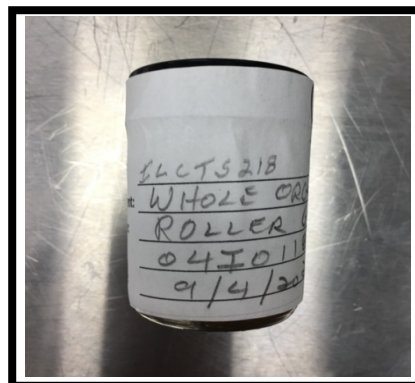



Sample Information

Test Date:	Sep 8th, 2020, 01:57:42 PM	Sample Type:	Topicals
Sample / Strain Name:	ZAR Roller Gel	IL Unique ID:	ILCTS218-1
Lot # / Batch ID:	04I0118		
Sample Description:	Pink gel in jar		
Notes:	N/A		
Analyst Name:	Enrique Orci IV	Reviewer Name:	Ted Barton
Analyst Signature:	<i>Enrique Orci IV</i>	Reviewer Signature:	<i>Ted Barton</i>

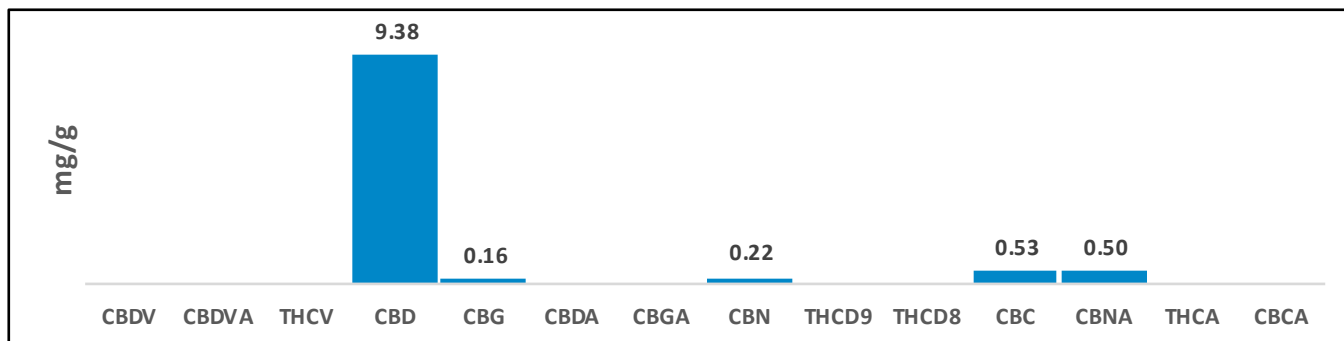
Cannabinoid Potency and Profile

Cannabinoid	Result (%)	mg / g
CBDV	N/D	N/D
CBDVA	N/D	N/D
THCV	N/D	N/D
CBD	0.94%	9.38
CBG	0.02%	0.16
CBDA	N/D	N/D
CBGA	N/D	N/D
CBN	0.02%	0.22
THCD9	N/D	N/D
THCD8	N/D	N/D
CBC	0.05%	0.53
CBNA	0.05%	0.50
THCA	N/D	N/D
CBCA	N/D	N/D
Totals	1.08%	10.79



Total THC	0.00%
mg / g	0.00

Total CBD	0.94%
mg / g	9.38



THC Total = % of THCD9 + (% of THCA x 0.877), CBD Total = % of CBD + (% of CBDA x 0.877), CBG Total = % of CBG + (% of CBGA x 0.876), CBN Total = % of CBN + (% of CBNA x 0.876), CBC Total = % of CBC + (% of CBCA x 0.877), CBDV Total = % of CBDV + (% of CBDVA x 0.867), N/D = Not Detected

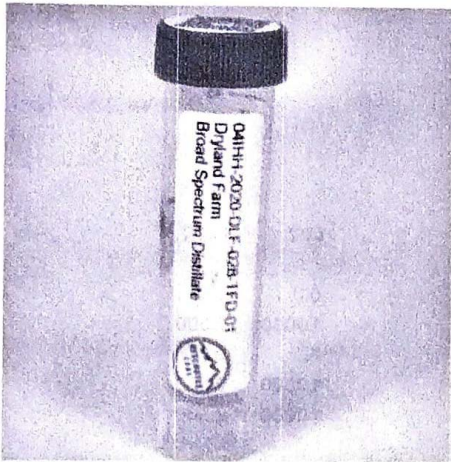
Testing results are based solely upon the samples submitted to Ionization Labs, LLC. Ionization Labs warrants that all analytical work is conducted in accordance with all applicable standard laboratory practices using validated methods. This report may not be reproduced without the written consent of Ionization Labs.

ISO 17025 Accredited
A2LA Certificate #: 5756.01
Texas Dept of Ag Account #: TL2020003

04IHH-2020-DLF-028-TFD-01

Broad Spectrum Distillate

PASS

SAMPLE ID
182045

SAMPLE NAME

04IHH-2020-DLF-028-TFD-01 Dryland Farm Broad Spectrum Distillate

MATRIX
CrystallineCOLLECTED, RECEIVED
05/18/2020 10:06, 05/18/2020 10:06MANUFACTURER INFO
Deschutes Labs
2020 NW Industrial Park Rd.
Prineville, OR 97754
License: AG-R1060418IHHTOTAL
THC

0.0 %

TOTAL
CBD

76.36 %

TOTAL
CANNABINOIDS

76.69 %

TOTAL
TERPENES

0.01 %

Chemical Residue

Myclobutanil: 0.1241 PPM

PASS

Residual Solvent

No Analytes Detected

PASS

E. coli

No Analytes Detected

PASS

Salmonella

No Analytes Detected

PASS





CANNABINOID ANALYSIS

① Total THC,CBD value(s) have been decarboxylated.

TOTAL THC: 0.0 mg/g (0.0 %)
 TOTAL CBD: 763.6 mg/g (76.36 %)
 TOTAL CANNABINOIDS: 766.9 mg/g (76.69 %)

UNIT OF MEASUREMENT: Milligrams per Gram(mg/g)

ANALYTE	RESULT	LOD	LLOQ	ANALYTE	RESULT	LOD	LLOQ
THCa	ND	1.0000	2.500	D9THC	ND	0.0	0.0
DBTHC	ND	1.0000	2.500	THCv	ND	1.0000	2.500
CBDa	ND	1.0000	2.500	CBD	ND	0.0	0.0
CBDv	ND	1.0000	2.500	CBC	ND	1.0000	2.500
CBN	ND	1.0000	2.500	CBG	ND	1.0000	2.500
CBGa	ND	1.0000	2.500				

ADDITIONAL INFORMATION

Method: OR-SOP-TECH-001
 Instrument: HPLC-DAD

Sample Prepped 05/19/2020 10:01
 Sample Analyzed 05/20/2020 10:53

Sample Approved 05/21/2020 16:21



CHEMICAL RESIDUE ANALYSIS

PASS

UNIT OF MEASUREMENT: Parts per Million(PPM)

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL
Abamectin	ND	0.0875	0.3750	0.5000 Pass	Chlorantranilprole	ND	0.0125	0.0625	0.2000 Pass
Chlorfenapyr	ND	0.0250	0.0625	1.000 Pass	Cyfluthrin	ND	0.0625	0.1250	1.000 Pass
Etoazole	ND	0.0050	0.0625	0.2000 Pass	Fenoxycarb	ND	0.0050	0.0250	0.2000 Pass
Fenpyroximate	ND	0.0625	0.6250	0.4000 Pass	Flonicamid	ND	0.0050	0.0125	1.000 Pass
Fludioxonil	ND	0.0250	0.0625	0.4000 Pass	Imazalli	ND	0.0050	0.0125	0.2000 Pass
Imidacloprid	ND	0.0050	0.0625	0.4000 Pass	KresoximMethyl	ND	0.0250	0.0625	0.4000 Pass
MGK-264	ND	0.0100	0.1250	0.2000 Pass	Malathion	ND	0.0050	0.0250	0.2000 Pass
Metalaxyl	ND	0.0050	0.0125	0.2000 Pass	Methiocarb	ND	0.0050	0.0125	0.2000 Pass
Methomyl	ND	0.0050	0.0250	0.4000 Pass	MethylParathion	ND	0.0625	0.1250	0.2000 Pass
Myclobutanil	0.1241 PPM	0.0050	0.0625	0.2000 Pass	Naled	ND	0.0125	0.0625	0.5000 Pass
Oxamyl	ND	5.00E-6	1.25E-5	0.0010 Pass	Paclobutrazol	ND	0.0050	0.0250	0.4000 Pass
Permethrins	ND	0.0100	0.0875	0.2000 Pass	Phosmet	ND	0.0050	0.0125	0.2000 Pass
PiperonylButoxide	ND	0.0050	0.0625	2.000 Pass	Prallethrin	ND	0.0250	0.0625	0.2000 Pass
Propiconazole	ND	0.0100	0.0875	0.4000 Pass	Propoxur	ND	0.0050	0.0250	0.2000 Pass
Pyrethrins	ND	0.3750	1.438	1.000 Pass	Spinosad	ND	0.0100	0.0375	0.2000 Pass
Spiromesifen	ND	0.0625	0.6250	0.2000 Pass	Spirotetramat	ND	0.0050	0.0625	0.2000 Pass
Spiroxamine	ND	0.0050	0.0250	0.4000 Pass	Tebuconazole	ND	0.0050	0.0125	0.4000 Pass
Thiacloprid	ND	0.0050	0.0625	0.2000 Pass	Thiamethoxam	ND	0.0050	0.0125	0.2000 Pass
Trifloxystrobin	ND	0.0050	0.0250	0.2000 Pass	Acephate	ND	0.0050	0.0125	0.4000 Pass
Acequinocyl	ND	0.1250	0.2500	2.000 Pass	Acetamiprid	ND	0.0050	0.0625	0.2000 Pass
Aldicarb	ND	0.0050	0.0250	0.4000 Pass	Azoxystrobin	ND	0.0050	0.0125	0.2000 Pass
Bifenazate	ND	0.0050	0.0125	0.2000 Pass	Bifenthrin	ND	0.0050	0.0625	0.2000 Pass
Boscalid	ND	0.0050	0.0625	0.4000 Pass	Carbaryl	ND	0.0125	0.1250	0.2000 Pass



Carbofuran	ND	0.0050	0.0250	0.2000	Pass	Chlorpyrifos	ND	0.0050	0.0250	0.2000	Pass
Clofentezine	ND	0.0050	0.0250	0.2000	Pass	Cypermethrin	ND	0.0250	0.0625	1.000	Pass
Daminozide	ND	0.0050	0.0250	1.000	Pass	Diazinon	ND	0.0050	0.0125	0.2000	Pass
Dichlorvos	ND	0.0250	0.0625	0.1000	Pass	Dimethoate	ND	0.0050	0.0125	0.2000	Pass
Ethoprophos	ND	0.0050	0.0250	0.2000	Pass	Etofenprox	ND	0.0050	0.0125	0.4000	Pass
Fipronil	ND	0.1250	0.1875	0.4000	Pass	Hexythiazox	ND	0.0050	0.0250	1.000	Pass
Pyridaben	ND	0.0050	0.0250	0.2000	Pass						

ADDITIONAL INFORMATION

Method: OR-SOP-TECH-002
Instrument:

Sample Prepped 05/19/2020 11:04
Sample Analyzed 05/19/2020 11:07

Sample Approved 05/21/2020 16:18



TERPENE ANALYSIS

UNIT OF MEASUREMENT: Milligrams per Gram(mg/g)

ANALYTE	RESULT	LOD	LLOQ	ANALYTE	RESULT	LOD	LLOQ
Limonene	ND	0.0	0.0	Delta-3-Carene	0.0321 mg/g (0.0032 %)	0.0	0.0
Gamma-Terpinene	ND	0.0	0.0	Nerolidol	ND	0.0	0.0
Linalool	ND	0.0	0.0	Geraniol	ND	0.0	0.0
(-)-alpha-Bisabolol	ND	0.0	0.0	(-)-Isopulegol	ND	0.0	0.0
Alpha-Pinene	ND	0.0	0.0	Beta-Pinene	ND	0.0	0.0
Eucalyptol	ND	0.0	0.0	Terpinolene	ND	0.0	0.0
P-Cymene	ND	0.0	0.0	B-Myrcene	ND	0.0	0.0
Beta-Caryophyllene	0.1194 mg/g (0.0119 %)	0.0	0.0	Alpha-Terpinene	ND	0.0	0.0
Alpha-Humulene	ND	0.0	0.0	(-)-Guaiaol	ND	0.0	0.0
Camphene	ND	0.0	0.0	(-)-Caryophyllene Oxide	ND	0.0	0.0

ADDITIONAL INFORMATION

Method: OR-SOP-TECH-010
Instrument:

Sample Prepped 05/18/2020 11:43
Sample Analyzed 05/18/2020 11:46

Sample Approved 05/20/2020 11:36



RESIDUAL SOLVENT ANALYSIS PASS

UNIT OF MEASUREMENT: Micrograms per Gram(ug/g)

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL
1,4-Dioxane	ND	4.560	45.60	380.0 Pass	2-Butanol	ND	28.00	280.0	5000 Pass
2-Ethoxethanol	ND	19.20	48.00	160.0 Pass	2-Propanol	ND	28.00	56.00	5000 Pass
Acetone	ND	9.100	36.40	290.0 Pass	Acetonitrile	ND	4.920	9.840	410.0 Pass
Cumene	ND	8.400	21.00	70.00 Pass	Cyclohexane	ND	69.84	465.6	3880 Pass
Diethyl Ether	ND	56.00	280.0	5000 Pass	Ethyl Acetate	ND	28.00	280.0	5000 Pass
Xylenes	ND	117.2	651.0	2170 Pass	Ethylene Glycol	ND	7.440	74.40	620.0 Pass
Ethylene Oxide	ND	2.400	6.000	50.00 Pass	Isopropyl Acetate	ND	42.00	56.00	5000 Pass
Methylene Chloride	ND	9.930	59.60	290.0 Pass	Propane	ND	40.00	160.0	5000 Pass
Tetrahydrofuran	ND	17.28	86.40	720.0 Pass	benzene	ND	0.2400	1.200	2.000 Pass
Ethanol	ND	0.0	0.0	0.0 N/A	heptane	ND	28.00	280.0	5000 Pass
Hexanes	ND	36.43	200.4	290.0 Pass	Methanol	ND	20.00	500.0	3000 Pass
Butanes	ND	100.0	600.0	5000 Pass	Pentanes	ND	162.0	760.0	5000 Pass
toluene	ND	10.68	106.8	890.0 Pass					

ADDITIONAL INFORMATION

Method: OR-SOP-TECH-003
Instrument:

Sample Prepped 05/19/2020 10:13
Sample Analyzed 05/19/2020 10:19

Sample Approved 05/20/2020 13:34



MICROBIAL ECOLI ANALYSIS

PASS

UNIT OF MEASUREMENT: Colony Forming Unit(CFU)

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL
Ecoli	ND	0.0	0.0	100.0 Pass					

ADDITIONAL INFORMATION

Method: OR-SOP-TECH-006
Instrument:

Sample Prepped 05/19/2020 10:01
Sample Analyzed 05/20/2020 09:39

Sample Approved 05/20/2020 11:31



MICROBIAL SALMONELLA ANALYSIS

PASS

UNIT OF MEASUREMENT: Colony Forming Unit(CFU)

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL
Salmonella	ND	0.0	0.0	0.0 Pass					

ADDITIONAL INFORMATION

Method: OR-SOP-TECH-008
Instrument:

Sample Prepped 05/19/2020 10:01
Sample Analyzed 05/20/2020 09:39

Sample Approved 05/21/2020 14:03

This report applies to the sample investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. This report provides technical results for a specific sample and the report shall not be altered, modified, supplemented, or abstracted in any manner. Any violation of these conditions renders the report and its results void.

All LQC samples required by state regulations were performed and met the acceptance criteria.

THIS COA WAS REVIEWED AND APPROVED ON 05/21/2020, BY THE FOLLOWING:



Stacey Anderson, PhD
Lab Director

