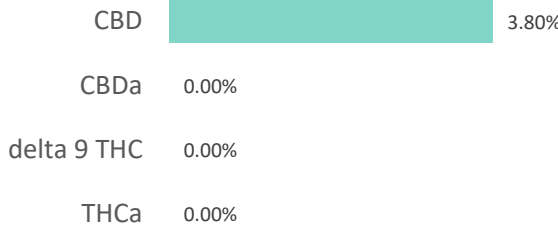
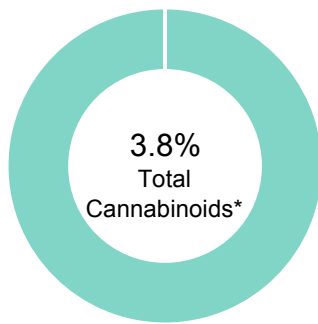


**Ignite Blood Orange**

<b>Batch ID:</b>	BODrp1000_001	<b>Test ID:</b>	5347944.0020
<b>Reported:</b>	12-Jul-2019	<b>Method:</b>	TM14
<b>Type:</b>	Concentrate		
<b>Test:</b>	Potency		

**CANNABINOID PROFILE**


Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.09	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.05	0.00	0.0
Cannabidiolic acid (CBDA)	0.09	0.00	0.0
Cannabidiol (CBD)	0.05	3.80	38.0
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.05	0.00	0.0
Cannabinolic Acid (CBNA)	0.12	0.00	0.0
Cannabinol (CBN)	0.05	0.00	0.0
Cannabigerolic acid (CBGA)	0.08	0.00	0.0
Cannabigerol (CBG)	0.04	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.08	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.04	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.09	0.00	0.0
Cannabidivarin (CBDV)	0.05	0.00	0.0
Cannabichromenic Acid (CBCA)	0.07	0.00	0.0
Cannabichromene (CBC)	0.08	0.00	0.0
<b>Total Cannabinoids</b>		<b>3.80</b>	<b>38.00</b>
Total Potential THC**		0.00	0.00
Total Potential CBD**		3.80	38.00

 NOTES:  
 N/A

% = % (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.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and } \text{Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$
**FINAL APPROVAL**


Sam Smith  
 12-Jul-2019  
 2:28 PM

PREPARED BY / DATE



David Green  
 12-Jul-2019  
 2:34 PM

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



**IGNITE BLOOD ORANGE**

<b>Batch ID:</b>	BODRP1000_0001	<b>Test ID:</b>	6695142.015
<b>Reported:</b>	15-Jul-2019	<b>Method:</b>	Concentrate - Test Methods: TM05, TM06
<b>Type:</b>	Concentrate		
<b>Test:</b>	Microbial Contaminants		

**MICROBIAL CONTAMINANTS**


Contaminant	Result (CFU/g)*
<b>Total Aerobic Count**</b>	None Detected
<b>Total Coliforms**</b>	None Detected
<b>Total Yeast and Molds**</b>	None Detected
<b>E. coli</b>	None Detected
<b>Salmonella</b>	None Detected

\* CFU/g = Colony Forming Unit per Gram

\*\* Values 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  
TYM: None Detected  
Total Aerobic: None Detected  
Coliforms: None Detected**FINAL APPROVAL**  
Samantha Hoyle  
15-Jul-2019  
2:46 PM  
Greg Zimpfer  
15-Jul-2019  
2:55 PM

PREPARED BY / DATE

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Services, LLC, in the condition it was received. Botanacor Services, 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 Services, LLC.



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CoA # 19071807  
 CoA Date 08/02/2019  
 CoA Status Final

## CERTIFICATE OF ANALYSIS

**Customer** MYKU Biosciences LLC  
**Address** 3715 E 40th Ave.  
 Denver CO 80205  
  
**Sample Name** Ignite Blood Orange Drops  
  
**Sample Lot #** 072019BO1000\_0001

**Date Received** 7/30/2019  
**Condition** Good  
**Temp** Ambient  
  
**PO #**  
  
**Remarks** RUSH

Analysis	Specification	Test Result	Test Method	Test Date
Pesticides				
DDT	N/A	<0.500 ppm	GC-MS	07/30/2019
Alachlor	N/A	<0.500 ppm	GC-MS	as above
Aldin	N/A	<0.025 ppm	GC-MS	as above
Azinphos-ethyl	N/A	<3.000 ppm	GC-MS	as above
Azinphos-methyl	N/A	<0.500 ppm	GC-MS	as above
Bromophos-ethyl	N/A	<0.050 ppm	GC-MS	as above
Bromophos-methyl	N/A	<0.500 ppm	GC-MS	as above
Bromopropylate	N/A	<2.000 ppm	GC-MS	as above
Chlordane	N/A	<0.025 ppm	GC-MS	as above
Chlorfenvinphos	N/A	<0.500 ppm	GC-MS	as above
Chlorpyrifos	N/A	<0.150 ppm	GC-MS	as above
Chlorpyrifos-methyl	N/A	<2.000 ppm	GC-MS	as above
Chlorthal-dimethyl	N/A	<1.000 ppm	GC-MS	as above
Cyfluthrin	N/A	<0.100 ppm	GC-MS	as above
Cyhalothrin-Lambda	N/A	<0.150 ppm	GC-MS	as above
Cypermethrin	N/A	<0.150 ppm	GC-MS	as above
Deltamethrin	N/A	<0.500 ppm	GC-MS	as above
Diazinon	N/A	<2.000 ppm	GC-MS	as above
Dichlofluanid	N/A	<1.000 ppm	GC-MS	as above
Dichlorvos	N/A	<0.050 ppm	GC-MS	as above
Dicofol	N/A	<0.500 ppm	GC-MS	as above
Dieldrin	N/A	<0.025 ppm	GC-MS	as above
Dimethoate	N/A	<1.000 ppm	GC-MS	as above
Endosulfan	N/A	<0.250 ppm	GC-MS	as above
Endrin	N/A	<0.025 ppm	GC-MS	as above
Ethion	N/A	<0.500 ppm	GC-MS	as above
Etrimphos	N/A	<0.250 ppm	GC-MS	as above
Fenchlorophos	N/A	<0.500 ppm	GC-MS	as above
Fenitrothion	N/A	<1.000 ppm	GC-MS	as above
Fenpropathrin	N/A	<0.050 ppm	GC-MS	as above
Fensulfothion	N/A	<0.500 ppm	GC-MS	as above
Fenthion	N/A	<0.250 ppm	GC-MS	as above
Fenvalerate	N/A	<0.010 ppm	GC-MS	as above
Flucytrinate	N/A	<0.100 ppm	GC-MS	as above
Fluvalinate-Tau	N/A	<0.250 ppm	GC-MS	as above
Fonofos	N/A	<0.150 ppm	GC-MS	as above
Heptachlor	N/A	<0.075 ppm	GC-MS	as above
Hexachlorbenzene	N/A	<0.100 ppm	GC-MS	as above

Authorized by Hadi Habib 8/02/19  
 Hadi Habib, M.Sc. / Technical Deputy

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 Estimation of uncertainty of measurement available upon request.



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**Sample Lot #** 072019BO1000\_0001

**Date Received** 7/30/2019  
**Condition** Good  
**Temp** Ambient  
**PO #**  
**Remarks** RUSH

Analysis	Specification	Test Result	Test Method	Test Date
Hexachlorocyclohexane	N/A	<0.025 ppm	GC-MS	as above
Lindane	N/A	<0.250 ppm	GC-MS	as above
Malaoxon	N/A	<0.100 ppm	GC-MS	as above
Malathion	N/A	<0.250 ppm	GC-MS	as above
Mecarbam	N/A	<0.500 ppm	GC-MS	as above
Methacrifos	N/A	<0.025 ppm	GC-MS	as above
Methamidophos	N/A	<0.005 ppm	GC-MS	as above
Methidathion	N/A	<0.100 ppm	GC-MS	as above
Methoxychlor	N/A	<2.000 ppm	GC-MS	as above
Parathion-ethyl	N/A	<1.000 ppm	GC-MS	as above
Mirex	N/A	<1.000 ppm	GC-MS	as above
Monocrotophos	N/A	<0.050 ppm	GC-MS	as above
Omethoate	N/A	<0.500 ppm	GC-MS	as above
Paraoxon-ethyl	N/A	<0.025 ppm	GC-MS	as above
Paraoxon	N/A	<2.000 ppm	GC-MS	as above
Parathion-methyl	N/A	<1.000 ppm	GC-MS	as above
Pendimethalin	N/A	<1.000 ppm	GC-MS	as above
Pentachloroanisole	N/A	<0.025 ppm	GC-MS	as above
Permethrin	N/A	<0.025 ppm	GC-MS	as above
Phosalone	N/A	<2.000 ppm	GC-MS	as above
Phosmet	N/A	<0.500 ppm	GC-MS	as above
Piperonylbutoxide	N/A	<1.000 ppm	GC-MS	as above
Pirimiphos-ethyl	N/A	<0.050 ppm	GC-MS	as above
Pirimiphos-methyl	N/A	<0.250 ppm	GC-MS	as above
Procymidone	N/A	<1.000 ppm	GC-MS	as above
Profenofos	N/A	<2.000 ppm	GC-MS	as above
Prothiofos	N/A	<0.500 ppm	GC-MS	as above
Pyrethrum	N/A	<0.250 ppm	GC-MS	as above
Quinalphos	N/A	<0.500 ppm	GC-MS	as above
Quintozene	N/A	<1.000 ppm	GC-MS	as above
S-421	N/A	<0.500 ppm	GC-MS	as above
Tecnazene	N/A	<0.100 ppm	GC-MS	as above
Tetradifon	N/A	<0.250 ppm	GC-MS	as above
Vinclozolin	N/A	<1.000 ppm	GC-MS	as above
Residual Solvents				
Methanol	N/A	Pass <3000 ppm	USP 37<467>	07/30/2019
Acetonitrile	N/A	Pass <410 ppm	USP 37<467>	as above
Dichloromethane	N/A	Pass <600 ppm	USP 37<467>	as above

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**Temp** Ambient  
**PO #**  
**Remarks** RUSH

Analysis	Specification	Test Result	Test Method	Test Date
trans-1, 2-Dichloroethene	N/A	Pass <1870 ppm	USP 37<467>	as above
cis-1, 2-Dichloroethene	N/A	Pass <1870 ppm	USP 37<467>	as above
THF	N/A	Pass <720 ppm	USP 37<467>	as above
Cyclohexane	N/A	Pass <3880 ppm	USP 37<467>	as above
Methylcyclohexane	N/A	Pass <1180 ppm	USP 37<467>	as above
1,4-Dioxane	N/A	Pass <380 ppm	USP 37<467>	as above
Toluene	N/A	Pass <890 ppm	USP 37<467>	as above
Chlorobenzene	N/A	Pass <360 ppm	USP 37<467>	as above
Ethylbenzene	N/A	Pass <368.9 ppm	USP 37<467>	as above
m-Xylene	N/A	Pass <1302 ppm	USP 37<467>	as above
p-Xylene	N/A	Pass <368.9 ppm	USP 37<467>	as above
o-Xylene	N/A	Pass <195.3 ppm	USP 37<467>	as above
Hexane	N/A	Pass <290 ppm	USP 37<467>	as above
Nitromethane	N/A	Pass <50 ppm	USP 37<467>	as above
Chloroform	N/A	Pass <60 ppm	USP 37<467>	as above
1,2-Dimethoxyethane	N/A	Pass <100 ppm	USP 37<467>	as above
Trichloroethene	N/A	Pass <80 ppm	USP 37<467>	as above
Pyridine	N/A	Pass <200 ppm	USP 37<467>	as above
2-Hexanone	N/A	Pass <50 ppm	USP 37<467>	as above
Tetralin	N/A	Pass <100 ppm	USP 37<467>	as above
Ethanol	N/A	Pass <5000 ppm	USP 37<467>	as above
Heavy Metals				
Arsenic (As)	N/A	<0.004 ppm	ICP-MS (STP-021)	08/02/2019
Cadmium (Cd)	N/A	<0.004 ppm	ICP-MS (STP-021)	as above
Mercury (Hg)	N/A	<0.001 ppm	ICP-MS (STP-021)	as above
Lead (Pb)	N/A	0.004 ppm	ICP-MS (STP-021)	as above

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