

CERTIFICATE OF ANALYSIS

Order Type: Medical Cannabis
Order ID: OR2019-4434

Customer ID: 92
Customer Name: BCC Collective

Harvest/Extract Lot: None
Harvest/Extract Batch: None

Cultivar (Strain): Citrus Rush
Sample Date: 10/09/2019

Lab ID: SA2019-14237
Date Received: 10/09/2019

Sample Matrix: Flower
Date Completed: 10/16/2019

Remarks:

CANNABINOID (POTENCY) PROFILE

Analysis Date/Time: 10/14/2019 0438
Analyst: OL

Method: HPLC/DAD (Internal Method-001)
Instrument: Agilent 1100

Moisture Content (%): 13.3
Water Activity (aw): -

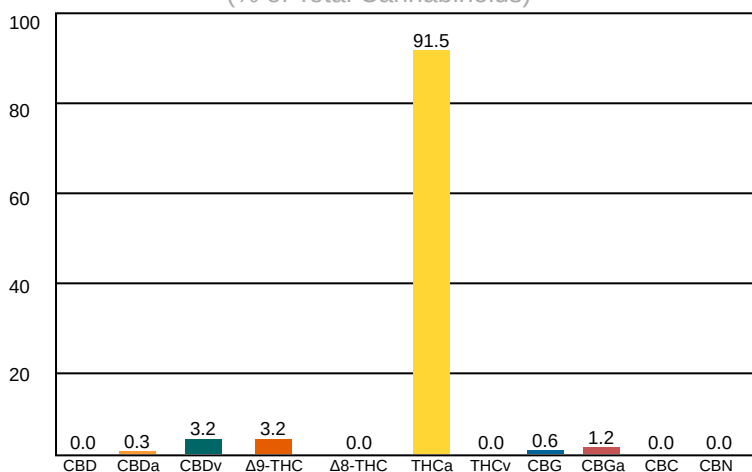
Cannabinoid	Result (%)	Result (mg/g)	Reporting Limit (mg/g)	Result (mg/mL)	Per Unit (mg)
CBD	-	-	0.0511	-	-
CBDa	0.0529	0.529	0.0511	-	0.529
CBDv	0.561	5.61	0.0511	-	6
Δ9-THC	0.555	5.55	0.0511	-	6
Δ8-THC	-	-	0.0511	-	-
THCa	16	160	0.0511	-	160
THCv	-	-	0.0511	-	-
CBC	-	-	0.0511	-	-
CBG	0.108	1.08	0.0511	-	1.08
CBGa	0.208	2.08	0.0511	-	2
CBN	-	-	0.0511	-	-
TOTAL	17.5	175			175
TOTAL THC	14.6	146			146
TOTAL CBD	0.0464	0.464			0.464



UNIT MASS (g): 1

"-" Not detected above RL.

Cannabinoid Distribution (% of Total Cannabinoids)



Deviations from standard operating procedure: None

Recoveries for all analyte standards: 90-110%
Replicate Uncertainties: <5% RSD, <20% RPD
Sample/Reagent Blanks: <RL for all analytes

Values for plant matter are adjusted for moisture content.

Total THC = (THCa x 0.877) + Δ9-THC
Total CBD = (CBDa x 0.877) + CBD

Percentage results are reported by mass.
mg/g results are reported as mass component per mass material.

Abbreviations: UV - Ultraviolet, HPLC - High Pressure Liquid Chromatography, RL - Reporting Limit, RPD - Relative Percent Difference, RSD - Relative Standard Deviation

This information is provided as a service and makes no claims of efficacy and/or safety of this product. Results are applicable only for the sample(s) analyzed and for the specific analysis conducted. This report is for informational purposes only and should not be used to diagnose, treat, or prevent any medical-related symptoms.

The statements and results herein have not been approved and/or endorsed by the FDA.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Felling Analytical Services and Technology (F.A.S.T.), LLC

Kyle W. Felling
Kyle W. Felling, Ph.D.
Laboratory Director

CERTIFICATE OF ANALYSIS

Order Type: Medical Cannabis
Order ID: OR2019-4434

Customer ID: 92
Customer Name: BCC Collective

Harvest/Extract Lot: None
Harvest/Extract Batch: None

Cultivar (Strain): Citrus Rush
Sample Date: 10/09/2019

Lab ID: SA2019-14237
Date Received: 10/09/2019

Sample Matrix: Flower
Date Completed: 10/16/2019

Remarks:

TERPENOID PROFILE

Analysis Date/Time: 10/14/2019 0438
Analyst: OL

Method: HS/GC/FID (Internal Method-002)
Instrument: Agilent 6890

Deviations from SOP:
None

<u>Terpene</u>	<u>Result (µg/g)</u>	<u>Result (%)</u>	
α-Bisabolol	754	0.0754	■
Camphene	-	-	
δ-3-Carene	-	-	
β-Caryophyllene	1304	0.13	■
Caryophyllene oxide	606	0.0606	■
p-Cymene	-	-	
Eucalyptol	-	-	
Geraniol	-	-	
Guaiol	-	-	
α-Humulene	286	0.0286	■
Isopulegol	-	-	
d-Limonene	-	-	
Linalool	1040	0.104	■
β-Myrcene	4790	0.479	■
cis-Nerolidol	-	-	
trans-Nerolidol	-	-	
α-Ocimene	-	-	
β-Ocimene	1692	0.169	■
α-Pinene	2814	0.281	■
β-Pinene	922	0.0922	■
α-Terpinene	-	-	
γ-Terpinene	-	-	
Terpinolene	-	-	
TOTAL	14208	1.42	



Abbreviations: HS - Headspace, GC - Gas Chromatography, MS - Mass Spectrometry, RL - Reporting Limit

This information is provided as a service and makes no claims of efficacy and/or safety of this product.

Results are applicable only for the sample(s) analyzed and for the specific analysis conducted.

This report is for informational purposes only and should not be used to diagnose, treat, or prevent any medical-related symptoms.

The statements and results herein have not been approved and/or endorsed by the FDA.

"-" Not detected above RL.

Reporting Limit (µg/g): 2

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Felling Analytical Services and Technology (F.A.S.T.), LLC

Kyle W. Felling
Kyle W. Felling, Ph.D.
Laboratory Director

CERTIFICATE OF ANALYSIS

Order Type: Medical Cannabis
Order ID: OR2019-4434

Customer ID: 92
Customer Name: BCC Collective

Harvest/Extract Lot: None
Harvest/Extract Batch: None

Cultivar (Strain): Citrus Rush
Sample Date: 10/09/2019

Lab ID: SA2019-14237
Date Received: 10/09/2019

Sample Matrix: Flower
Date Completed: 10/16/2019

Remarks:

PESTICIDES PROFILE

Analysis Date/Time: 10/14/2019 0438
Analyst: OL

Method: LC/MS/MS and GC/MS
Instrument: Waters Acquity/TQD

Deviations from SOP:
None

<u>Pesticide</u>	<u>Result</u> (µg/g)	<u>Action Level</u> (µg/g)
Abamectin (71751-41-2)	-	0.5
Azoxystrobin (131860-33-8)	-	0.5
Bifenazate* (149877-41-8)	-	0.5
Etoxazole (153233-91-1)	-	0.5
Imazalil (35554-44-0)	-	0.5
Imidacloprid (138261-41-3)	-	0.5
Malathion (121-75-5)	-	0.5
Myclobutanil (88671-89-0)	-	0.5
Permethrins* (52645-53-1)	-	0.5
Spinosad A (168316-95-8)	-	0.5
Spinosad D (168316-95-8)	-	0.5
Spiromesifen (283594-90-1)	-	0.5
Spirotetramat (203313-25-1)	-	0.5
Tebuconazole (80443-41-0)	-	0.5

Color Key

RESULT < 1/2 AL
1/2 AL < RESULT < AL
RESULT > AL

Reporting Limit (µg/g)
1/2 of AL

"-" not detected above reporting limit

**" analyzed by GC/MS (all others analyzed by LC/MS/MS)

Permethrins measured as the cumulative residue of the *cis*- and *trans*-permethrin isomers.



Abbreviations: LC - Liquid Chromatography, GC - Gas Chromatography, MS - Mass Spectrometry, RL - Reporting Limit, AL - Action Level, CAS - Chemical Abstract Services

<u>Pesticide</u>	<u>Synonym(s)</u>	<u>Pesticide</u>	<u>Synonym(s)</u>	<u>Pesticide</u>	<u>Synonym(s)</u>
Cyfluthrin	Baythroid	Myclobutanil	Systhane	Propiconazole	Tilt
DDVP	Dichlorvos	Naled	Dibrom	Propoxur	Baygon
Ethoprophos	Prophos	Phosmet	Imidan		

Disclaimer: This information is provided as a service and makes no claims of efficacy and/or safety of this product. Results are applicable only for the sample(s) analyzed and for the specific analysis conducted. This report is for informational purposes only and should not be used to diagnose, treat, or prevent any medical-related symptoms. The statements and results herein have not been approved and/or endorsed by the FDA.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Felling Analytical Services and Technology (F.A.S.T.), LLC

Kyle W. Felling
Kyle W. Felling, Ph.D.
Laboratory Director

CERTIFICATE OF ANALYSIS

Order Type: Medical Cannabis
Order ID: OR2019-4434

Customer ID: 92
Customer Name: BCC Collective

Harvest/Extract Lot: None
Harvest/Extract Batch: None

Cultivar (Strain): Citrus Rush
Sample Date: 10/09/2019

Lab ID: SA2019-14237
Date Received: 10/09/2019

Sample Matrix: Flower
Date Completed: 10/16/2019

Remarks:

MYCOTOXIN PROFILE

Analysis Date/Time: 10/14/2019 0438
Analyst: OL

Method: LC/MS/MS
Instrument: Waters Acquity/TQD

Deviations from SOP:
None

<u>Mycotoxin</u>	<u>Result</u> (µg/kg)	<u>Action Level</u> (µg/kg)
Aflatoxin B1	-	20
Aflatoxin B2	-	20
Aflatoxin G1	-	20
Aflatoxin G2	-	20
Ochratoxin A	-	20



Abbreviations: EC - Escherichia Coli, CFU - Colony-Forming Unit, RL - Reporting Limit, AL - Action Level

Color Key

RESULT < 1/2 AL
1/2 AL < RESULT < AL
RESULT > AL

Reporting Limit (CFU/g)

1

"-" not detected above reporting limit

Disclaimer: This information is provided as a service and makes no claims of efficacy and/or safety of this product. Results are applicable only for the sample(s) analyzed and for the specific analysis conducted. This report is for informational purposes only and should not be used to diagnose, treat, or prevent any medical-related symptoms. The statements and results herein have not been approved and/or endorsed by the FDA.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Felling Analytical Services and Technology (F.A.S.T.), LLC

CERTIFICATE OF ANALYSIS

Order Type: Medical Cannabis
Order ID: OR2019-4434

Customer ID: 92
Customer Name: BCC Collective

Harvest/Extract Lot: None
Harvest/Extract Batch: None

Cultivar (Strain): Citrus Rush
Sample Date: 10/09/2019

Lab ID: SA2019-14237
Date Received: 10/09/2019

Sample Matrix: Flower
Date Completed: 10/16/2019

Remarks:

HEAVY METAL PROFILE

Analysis Date/Time: 10/14/2019 0438
Analyst: OL

Method: ICP/MS
Instrument: PerkinElmer Elan 9000

Deviations from SOP:
None

<u>Heavy Metal</u>	<u>Result</u> (µg/kg)	<u>Action Level</u> (µg/kg)
Arsenic (As)	-	400
Cadmium (Cd)	-	440
Lead (Pb)	-	1000
Mercury (Hg)	-	200



Abbreviations: ICP - Inductively-Coupled Plasma, OES - Optical Emission Spectroscopy, MS - Mass Spectroscopy, RL - Reporting Limit, AL - Action Level

Color Key

RESULT < 1/2 AL
1/2 AL < RESULT < AL
RESULT > AL

Reporting Limit (µg/kg)
50

"-" not detected above reporting limit

Disclaimer: This information is provided as a service and makes no claims of efficacy and/or safety of this product. Results are applicable only for the sample(s) analyzed and for the specific analysis conducted. This report is for informational purposes only and should not be used to diagnose, treat, or prevent any medical-related symptoms. The statements and results herein have not been approved and/or endorsed by the FDA.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Felling Analytical Services and Technology (F.A.S.T.), LLC

CERTIFICATE OF ANALYSIS

Order Type: Medical Cannabis
Order ID: OR2019-4434

Customer ID: 92
Customer Name: BCC Collective

Harvest/Extract Lot: None
Harvest/Extract Batch: None

Cultivar (Strain): Citrus Rush
Sample Date: 10/09/2019

Lab ID: SA2019-14237
Date Received: 10/09/2019

Sample Matrix: Flower
Date Completed: 10/16/2019

Remarks:

MICROBIOLOGICAL PROFILE

Analysis Date/Time: 10/14/2019 0438
Analyst: OL

Method: Hardy Diagnostics CompactDry
Instrument: Thermo Incubator

Deviations from SOP:
None

<u>Bacteria/Microbe</u>	<u>Result (CFU/g)</u>	<u>Action Level (CFU/g)</u>
Aerobic Plate Count, Total	NT	-
Escherichia Coli (E. Coli)	Absent	1
Mold	Absent	10000
Yeast	Absent	10000
Salmonella spp.	Absent	1



Abbreviations: EC - Escherichia Coli, CFU - Colony-Forming Unit, RL - Reporting Limit, AL - Action Level, NT - Not Tested

Color Key

RESULT < 1/2 AL
1/2 AL < RESULT < AL
RESULT > AL

Reporting Limit (CFU/g)
1

"-" not detected above reporting limit

Disclaimer: This information is provided as a service and makes no claims of efficacy and/or safety of this product. Results are applicable only for the sample(s) analyzed and for the specific analysis conducted. This report is for informational purposes only and should not be used to diagnose, treat, or prevent any medical-related symptoms. The statements and results herein have not been approved and/or endorsed by the FDA.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Felling Analytical Services and Technology (F.A.S.T.), LLC