

SUMMARY OF ANALYSIS (SAMPLE ID: SA2020-22624)

Testing Location: OKC 3680 E. I-240 Service Rd. Oklahoma City, OK 73135 License: LAAA-4Y4X-Z72Z	Customer ID: 598 BCG Farms LLC 2477 NW Banner Rd Okarche, OK 73762 License: GAAA-VKSW-NEYU	Order ID: OR2020-7143 Lot Number: Not Entered Batch Number: Not Entered	Sample Type: Primary Matrix: Flower Mass: 5g Date Collected: 02/14/2020 Date Received: 02/14/2020
--	---	--	--

Cultivar (Strain) or Sample Description: Honey Banana **Date Completed:** 02/21/2020

*This page is simply a summary of the analysis performed. For analytical details, please consult the individual Certificate(s) of Analysis for each of the specific test(s) performed.

*For Oklahoma, with the new OMMA rules to be effective April 1, 2020, limits on moisture are proposed at 15% and water activity at 0.65aw.

Moisture Content (%) 12.5	PASS/FAIL PASS	Water Activity (aw) 0.47 @ 22.9°C	PASS/FAIL PASS
-------------------------------------	---------------------------------	---	---------------------------------

<u>Cannabinoids (Top 3)</u>	<u>(%)</u>	<u>mg/g</u>
THCa	31.8	318
CBGa	0.793	8
Δ9-THC	0.404	4
TOTAL CBD	0.105	1.05
TOTAL THC	28.3	283
TOTAL CANNABINOIDS	33.4	334

<u>Terpenes (Top 5)</u>	<u>(%)</u>	<u>µg/g</u>
β-Myrcene	0.807	8069
d-Limonene	0.453	4533
β-Caryophyllene	0.188	1876
α-Humulene	0.084	841
β-Pinene	0.071	710
TOTAL TERPENES	1.71	17052

<u>Contaminants</u>	<u>PASS/FAIL</u>
Heavy Metals:	PASS
Microbiology:	PASS
Mycotoxins:	PASS
Pesticides:	PASS
Visual Inspection:	PASS



Scan the QR code to verify results.

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 of Oklahoma City, LLC

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

CERTIFICATE OF ANALYSIS (SAMPLE ID: SA2020-22624)

Testing Location: OKC 3680 E. I-240 Service Rd. Oklahoma City, OK 73135 License: LAAA-4Y4X-Z72Z	Customer ID: 598 BCG Farms LLC 2477 NW Banner Rd Okarche, OK 73762 License: GAAA-VKSW-NEYU	Order ID: OR2020-7143 Lot Number: Not Entered Batch Number: Not Entered	Sample Type: Primary Matrix: Flower Mass: 5g Date Collected: 02/14/2020 Date Received: 02/14/2020
--	---	--	--

Cultivar (Strain) or Sample Description: Honey Banana **Date Completed:** 02/21/2020

CANNABINOID (POTENCY) PROFILE

Analysis Date/Time: 02/19/2020 1134 **Method:** HPLC/DAD **Moisture Content (%):** 12.5
Analyst: JI **Instrument:** Agilent 1100 **Water Activity (aw):** 0.4716 @ 22.87Å°C

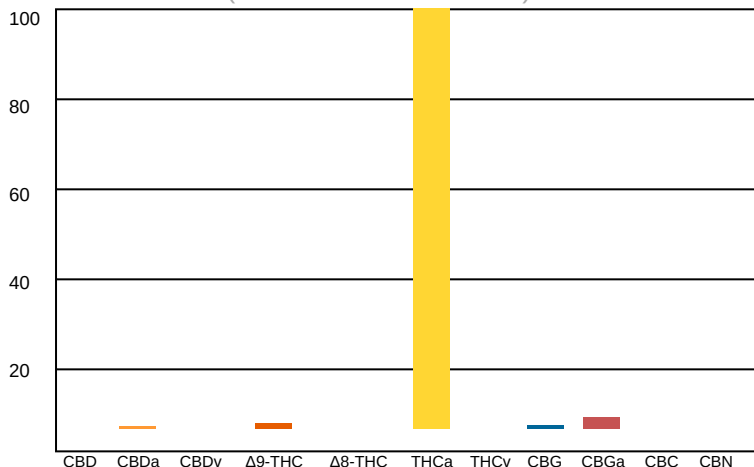
Cannabinoid	Result (%)	Result (mg/g)	Reporting Limit (mg/g)	Result (mg/mL)	Per Unit (mg)
CBD	-	-	0.0516	-	-
CBDa	0.12	1.2	0.0516	-	1.2
CBDv	-	-	0.0516	-	-
Δ9-THC	0.404	4.04	0.0516	-	4
Δ8-THC	-	-	0.0516	-	-
THCa	31.8	318	0.0516	-	318
THCv	-	-	0.0516	-	-
CBC	-	-	0.0516	-	-
CBG	0.205	2.05	0.0516	-	2
CBGa	0.793	7.93	0.0516	-	8
CBN	-	-	0.0516	-	-
TOTAL	33.4	334			334
TOTAL THC	28.3	283			283
TOTAL CBD	0.105	1.05			1.05



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 of Oklahoma City, LLC

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

SUMMARY OF ANALYSIS (SAMPLE ID: SA2020-22624)

Testing Location: OKC 3680 E. I-240 Service Rd. Oklahoma City, OK 73135 License: LAAA-4Y4X-Z72Z	Customer ID: 598 BCG Farms LLC 2477 NW Banner Rd Okarche, OK 73762 License: GAAA-VKSW-NEYU	Order ID: OR2020-7143 Lot Number: Not Entered Batch Number: Not Entered	Sample Type: Primary Matrix: Flower Mass: 5g Date Collected: 02/14/2020 Date Received: 02/14/2020
Cultivar (Strain) or Sample Description: Honey Banana			Date Completed: 02/21/2020

TERPENOID PROFILE

Analysis Date/Time: 02/19/2020 1134 **Method:** HS/GC/FID (Internal Method-002) **Deviations from SOP:**
Analyst: JS **Instrument:** Agilent 6890 None

<u>Terpene</u>	<u>Result (µg/g)</u>	<u>Result (%)</u>	
α-Bisabolol	12	0.00124	
Camphene	107	0.0107	
δ-3-Carene	-	-	
β-Caryophyllene	1876	0.188	■
Caryophyllene oxide	88	0.00879	
p-Cymene	-	-	
Eucalyptol	-	-	
Geraniol	-	-	
Guaiol	-	-	
α-Humulene	841	0.0841	■
Isopulegol	16	0.00157	
d-Limonene	4533	0.453	■
Linalool	351	0.0351	
β-Myrcene	8069	0.807	■
cis-Nerolidol	-	-	
trans-Nerolidol	-	-	
α-Ocimene	-	-	
β-Ocimene	-	-	
α-Pinene	402	0.0402	
β-Pinene	710	0.071	■
α-Terpinene	-	-	
γ-Terpinene	-	-	
Terpinolene	47	0.00466	
TOTAL	17052	1.71	



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): 2.06

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Felling Analytical Services and Technology of Oklahoma City, LLC

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

SUMMARY OF ANALYSIS (SAMPLE ID: SA2020-22624)

Testing Location: OKC 3680 E. I-240 Service Rd. Oklahoma City, OK 73135 License: LAAA-4Y4X-Z72Z	Customer ID: 598 BCG Farms LLC 2477 NW Banner Rd Okarche, OK 73762 License: GAAA-VKSW-NEYU	Order ID: OR2020-7143 Lot Number: Not Entered Batch Number: Not Entered	Sample Type: Primary Matrix: Flower Mass: 5g Date Collected: 02/14/2020 Date Received: 02/14/2020
--	---	--	--

Cultivar (Strain) or Sample Description: Honey Banana **Date Completed:** 02/21/2020

PESTICIDES PROFILE

Analysis Date/Time: 02/19/2020 1134
Analyst: DJ

Method: LC/MS/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
Etoazazole (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	Sythane	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 of Oklahoma City, LLC

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

SUMMARY OF ANALYSIS (SAMPLE ID: SA2020-22624)

Testing Location: OKC 3680 E. I-240 Service Rd. Oklahoma City, OK 73135 License: LAAA-4Y4X-Z72Z	Customer ID: 598 BCG Farms LLC 2477 NW Banner Rd Okarche, OK 73762 License: GAAA-VKSW-NEYU	Order ID: OR2020-7143 Lot Number: Not Entered Batch Number: Not Entered	Sample Type: Primary Matrix: Flower Mass: 5g Date Collected: 02/14/2020 Date Received: 02/14/2020
Cultivar (Strain) or Sample Description: Honey Banana			Date Completed: 02/21/2020

MYCOTOXIN PROFILE

Analysis Date/Time: 02/19/2020 1134
Analyst: DJ

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 of Oklahoma City, LLC

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

SUMMARY OF ANALYSIS (SAMPLE ID: SA2020-22624)

Testing Location: OKC 3680 E. I-240 Service Rd. Oklahoma City, OK 73135 License: LAAA-4Y4X-Z72Z	Customer ID: 598 BCG Farms LLC 2477 NW Banner Rd Okarche, OK 73762 License: GAAA-VKSW-NEYU	Order ID: OR2020-7143 Lot Number: Not Entered Batch Number: Not Entered	Sample Type: Primary Matrix: Flower Mass: 5g Date Collected: 02/14/2020 Date Received: 02/14/2020 Date Completed: 02/21/2020
Cultivar (Strain) or Sample Description: Honey Banana			

HEAVY METAL PROFILE

Analysis Date/Time: 02/19/2020 1134 **Method:** ICP/MS **Deviations from SOP:**
Analyst: CC **Instrument:** PerkinElmer Elan 9000 None

<u>Heavy Metal</u>	<u>Result (µg/kg)</u>	<u>Action Level (µg/kg)</u>
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 of Oklahoma City, LLC

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

SUMMARY OF ANALYSIS (SAMPLE ID: SA2020-22624)

Testing Location: OKC 3680 E. I-240 Service Rd. Oklahoma City, OK 73135 License: LAAA-4Y4X-Z72Z	Customer ID: 598 BCG Farms LLC 2477 NW Banner Rd Okarche, OK 73762 License: GAAA-VKSW-NEYU	Order ID: OR2020-7143 Lot Number: Not Entered Batch Number: Not Entered	Sample Type: Primary Matrix: Flower Mass: 5g Date Collected: 02/14/2020 Date Received: 02/14/2020
Cultivar (Strain) or Sample Description: Honey Banana			Date Completed: 02/21/2020

MICROBIOLOGICAL PROFILE

Analysis Date/Time: 02/19/2020 1134 **Method:** Hardy Diagnostics CompactDry **Deviations from SOP:**
Analyst: KB **Instrument:** Thermo Incubator None

<u>Bacteria/Microbe</u>	<u>Result (CFU/g)</u>	<u>Action Level (CFU/g)</u>
Aerobic Plate Count, Total	90	-
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 of Oklahoma City, LLC

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