

## SUMMARY OF ANALYSIS (SAMPLE ID: SA2020-23848)

<b>Testing Location:</b> OKC 3680 E. I-240 Service Rd. Oklahoma City, OK 73135	<b>Customer ID:</b> 1823 Altum Group 22900 W Skelly Rd Haskell, OK 74436 License: GAAA-4K7V-ISMN	<b>Order ID:</b> OR2020-7496 <b>Lot Number:</b> Not Entered <b>Batch Number:</b> 144100000015338	<b>Sample Type:</b> Primary <b>Matrix:</b> Flower <b>Mass:</b> 5g <b>Date Collected:</b> 03/09/2020 <b>Date Received:</b> 03/09/2020
---	--	--	--

**Cultivar (Strain) or Sample Description:** Trifi Cookies **Date Completed:** 03/12/2020

\*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.

<b>Moisture Content (%)</b> 12.0	<b>PASS/FAIL</b> <b>PASS</b>	<b>Water Activity (aw)</b> 0.38 @ 22.3°C	<b>PASS/FAIL</b> <b>PASS</b>
-------------------------------------	---------------------------------	---	---------------------------------

<u>Cannabinoids (Top 3)</u>	<u>(%)</u>	<u>mg/g</u>
THCa	26.6	266
CBGa	0.733	7
Δ9-THC	0.232	2
TOTAL CBD	0.0973	0.973
TOTAL THC	23.5	235
TOTAL CANNABINOIDS	27.8	278

<u>Terpenes (Top 5)</u>	<u>(%)</u>	<u>µg/g</u>
β-Caryophyllene	0.332	3316
d-Limonene	0.222	2219
α-Humulene	0.122	1221
Linalool	0.072	721
Guaiol	0.069	691
TOTAL TERPENES	0.949	9489

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



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: SA2020-23848)

<b>Testing Location:</b> OKC 3680 E. I-240 Service Rd. Oklahoma City, OK 73135	<b>Customer ID:</b> 1823 Altum Group 22900 W Skelly Rd Haskell, OK 74436 License: GAAA-4K7V-ISMN	<b>Order ID:</b> OR2020-7496 <b>Lot Number:</b> Not Entered <b>Batch Number:</b> 144100000015338	<b>Sample Type:</b> Primary <b>Matrix:</b> Flower <b>Mass:</b> 5g <b>Date Collected:</b> 03/09/2020 <b>Date Received:</b> 03/09/2020
---	--	--	--

**Cultivar (Strain) or Sample Description:** Trifi Cookies **Date Completed:** 03/12/2020

### CANNABINOID (POTENCY) PROFILE

**Analysis Date/Time:** 03/10/2020 1439      **Method:** HPLC/DAD      **Moisture Content (%):** 12  
**Analyst:** WW      **Instrument:** Agilent 1100      **Water Activity (aw):** 0.3821 @ 22.32Å°C

Cannabinoid	Result (%)	Result (mg/g)	Reporting Limit (mg/g)	Result (mg/mL)	Per Unit (mg)
CBD	0.0201	0.201	0.0514	-	0.201
CBDa	0.0881	0.881	0.0514	-	0.881
CBDv	0.00514	0.0514	0.0514	-	0.0514
Δ9-THC	0.232	2.32	0.0514	-	2
Δ8-THC	0.0124	0.124	0.0514	-	0.124
THCa	26.6	266	0.0514	-	266
THCv	0.0283	0.283	0.0514	-	0.283
CBC	0.0321	0.321	0.0514	-	0.321
CBG	0.0794	0.794	0.0514	-	0.794
CBGa	0.733	7.33	0.0514	-	7
CBN	0.00265	0.0265	0.0514	-	0.0265
<b>TOTAL</b>	<b>27.8</b>	<b>278</b>			<b>278</b>
<b>TOTAL THC</b>	<b>23.5</b>	<b>235</b>			<b>235</b>
<b>TOTAL CBD</b>	<b>0.0973</b>	<b>0.973</b>			<b>0.973</b>

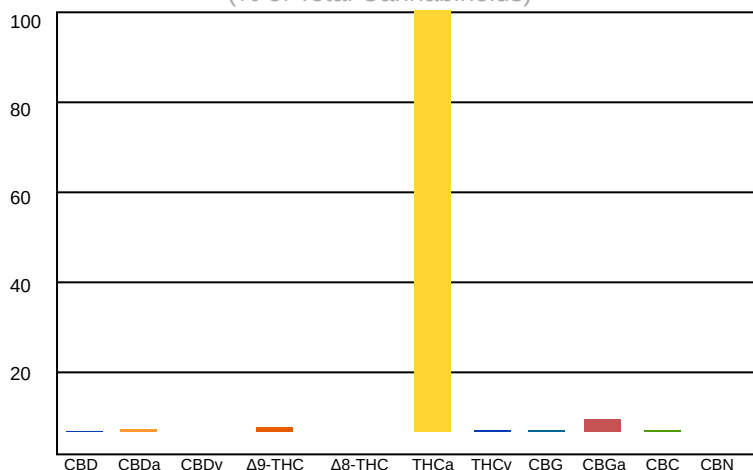


**UNIT MASS (g):** 1

"-" 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: SA2020-23848)**

<b>Testing Location:</b> OKC 3680 E. I-240 Service Rd. Oklahoma City, OK 73135	<b>Customer ID:</b> 1823 Altum Group 22900 W Skelly Rd Haskell, OK 74436 License: GAAA-4K7V-ISMN	<b>Order ID:</b> OR2020-7496 <b>Lot Number:</b> Not Entered <b>Batch Number:</b> 144100000015338	<b>Sample Type:</b> Primary <b>Matrix:</b> Flower <b>Mass:</b> 5g <b>Date Collected:</b> 03/09/2020 <b>Date Received:</b> 03/09/2020
<b>Cultivar (Strain) or Sample Description:</b> Trifi Cookies			<b>Date Completed:</b> 03/12/2020

**TERPENOID PROFILE**

**Analysis Date/Time:** 03/10/2020 1439      **Method:** HS/GC/FID (Internal Method-002)      **Deviations from SOP:**  
**Analyst:** DJ      **Instrument:** Agilent 6890      None

<u>Terpene</u>	<u>Result (µg/g)</u>	<u>Result (%)</u>	
α-Bisabolol	399	0.0399	█
Camphene	49	0.00487	█
δ-3-Carene	-	-	
β-Caryophyllene	3316	0.332	█
Caryophyllene oxide	120	0.012	█
p-Cymene	-	-	
Eucalyptol	-	-	
Geraniol	-	-	
Guaiol	691	0.0691	█
α-Humulene	1221	0.122	█
Isopulegol	-	-	
d-Limonene	2219	0.222	█
Linalool	721	0.0721	█
β-Myrcene	253	0.0253	█
cis-Nerolidol	-	-	
trans-Nerolidol	-	-	
α-Ocimene	-	-	
β-Ocimene	-	-	
α-Pinene	160	0.016	█
β-Pinene	287	0.0287	█
α-Terpinene	-	-	
γ-Terpinene	-	-	
Terpinolene	53	0.00526	█
<b>TOTAL</b>	<b>9489</b>	<b>0.949</b>	



*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): 2.05**

**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: SA2020-23848)**

<b>Testing Location:</b> OKC 3680 E. I-240 Service Rd. Oklahoma City, OK 73135	<b>Customer ID:</b> 1823 Altum Group 22900 W Skelly Rd Haskell, OK 74436 License: GAAA-4K7V-ISMN	<b>Order ID:</b> OR2020-7496 <b>Lot Number:</b> Not Entered <b>Batch Number:</b> 144100000015338	<b>Sample Type:</b> Primary <b>Matrix:</b> Flower <b>Mass:</b> 5g <b>Date Collected:</b> 03/09/2020 <b>Date Received:</b> 03/09/2020
---	--	--	--

**Cultivar (Strain) or Sample Description:** Trifi Cookies **Date Completed:** 03/12/2020

**PESTICIDES PROFILE**

**Analysis Date/Time:** 03/10/2020 1439  
**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: SA2020-23848)**

<b>Testing Location:</b> OKC 3680 E. I-240 Service Rd. Oklahoma City, OK 73135	<b>Customer ID:</b> 1823 Altum Group 22900 W Skelly Rd Haskell, OK 74436 License: GAAA-4K7V-ISMN	<b>Order ID:</b> OR2020-7496 <b>Lot Number:</b> Not Entered <b>Batch Number:</b> 144100000015338	<b>Sample Type:</b> Primary <b>Matrix:</b> Flower <b>Mass:</b> 5g <b>Date Collected:</b> 03/09/2020 <b>Date Received:</b> 03/09/2020
<b>Cultivar (Strain) or Sample Description:</b> Trifi Cookies			<b>Date Completed:</b> 03/12/2020

**MYCOTOXIN PROFILE**

**Analysis Date/Time:** 03/10/2020 1439  
**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: SA2020-23848)**

<b>Testing Location:</b> OKC 3680 E. I-240 Service Rd. Oklahoma City, OK 73135	<b>Customer ID:</b> 1823 Altum Group 22900 W Skelly Rd Haskell, OK 74436 License: GAAA-4K7V-ISMN	<b>Order ID:</b> OR2020-7496 <b>Lot Number:</b> Not Entered <b>Batch Number:</b> 144100000015338	<b>Sample Type:</b> Primary <b>Matrix:</b> Flower <b>Mass:</b> 5g <b>Date Collected:</b> 03/09/2020 <b>Date Received:</b> 03/09/2020
<b>Cultivar (Strain) or Sample Description:</b> Trifi Cookies			<b>Date Completed:</b> 03/12/2020

**HEAVY METAL PROFILE**

**Analysis Date/Time:** 03/10/2020 1439      **Method:** ICP/MS      **Deviations from SOP:**  
**Analyst:** CC      **Instrument:** PerkinElmer Elan 9000      None

<u>Heavy Metal</u>	<u>Result</u> <u>(µg/kg)</u>	<u>Action Level</u> <u>(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: SA2020-23848)**

<b>Testing Location:</b> OKC 3680 E. I-240 Service Rd. Oklahoma City, OK 73135	<b>Customer ID:</b> 1823 Altum Group 22900 W Skelly Rd Haskell, OK 74436 License: GAAA-4K7V-ISMN	<b>Order ID:</b> OR2020-7496 <b>Lot Number:</b> Not Entered <b>Batch Number:</b> 144100000015338	<b>Sample Type:</b> Primary <b>Matrix:</b> Flower <b>Mass:</b> 5g <b>Date Collected:</b> 03/09/2020 <b>Date Received:</b> 03/09/2020
<b>Cultivar (Strain) or Sample Description:</b> Trifi Cookies			<b>Date Completed:</b> 03/12/2020

**MICROBIOLOGICAL PROFILE**

**Analysis Date/Time:** 03/10/2020 1439      **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	Absent	-
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

