

SUMMARY OF ANALYSIS (SAMPLE ID: SA2020-24217)

<b>Testing Location:</b> OKC 3680 E. I-240 Service Rd. Oklahoma City, OK 73135 License: LAAA-4Y4X-Z7ZZ	<b>Customer ID:</b> 1448 Noble Nectar 8750 84th St Noble, OK 73068 License: PAAA-VJZG-KNPG	<b>Order ID:</b> OR2020-7598 <b>Lot Number:</b> L501 <b>Batch Number:</b> 0202	<b>Sample Type:</b> Primary <b>Matrix:</b> Concentrate <b>Mass:</b> 2g <b>Date Collected:</b> 03/16/2020 <b>Date Received:</b> 03/16/2020 <b>Date Completed:</b> 03/19/2020
--	--	--	--

\*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 OMMMA rules to be effective April 1, 2020, limits on moisture are proposed at 15% and water activity at 0.65aw.

Moisture Content (%)	PASS/FAIL	Water Activity (aw)	PASS/FAIL
Not Tested	N/A	Not Tested	N/A

Cannabinoids (Top 3)	(%)	mg/g
THCa	75.1	751
CBGa	1.08	10.8
Δ <sup>9</sup> -THC	1.02	10.2
TOTAL CBD	0.153	1.53
TOTAL THC	66.9	669
TOTAL CANNABINOIDS	77.7	777

Terpenes (Top 5)	(%)	μg/g
β-Caryophyllene	1.822	18220
d-Limonene	1.560	15605
α-Humulene	0.857	8571
β-Myrcene	0.750	7502
α-Pinene	0.247	2468
TOTAL TERPENES	6.13	61268

Contaminants	PASS/FAIL
Heavy Metals:	PASS
Microbiology:	PASS
Mycotoxins:	PASS
Pesticides:	PASS
Residual Solvents:	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.

SUMMARY OF ANALYSIS (SAMPLE ID: SA2020-24217)

<b>Testing Location:</b> OKC 3680 E. I-240 Service Rd. Oklahoma City, OK 73135 License: LAAA-4Y4X-Z7ZZ	<b>Customer ID:</b> 1448 Noble Nectar 8750 84th St Noble, OK 73068 License: PAAA-VJZG-KNPG	<b>Order ID:</b> OR2020-7598 <b>Lot Number:</b> L501 <b>Batch Number:</b> 0202	<b>Sample Type:</b> Primary <b>Matrix:</b> Concentrate <b>Mass:</b> 2g <b>Date Collected:</b> 03/16/2020 <b>Date Received:</b> 03/16/2020 <b>Date Completed:</b> 03/19/2020
--	--	--	--

Terpene	Result (μg/g)	Result (%)
α-Bisabolol	-	-
Camphene	1395	0.14
δ-3-Carene	-	-
β-Caryophyllene	18220	1.82
Caryophyllene oxide	-	-
p-Cymene	173	0.0173
Eucalyptol	-	-
Geraniol	71	0.00706
Guaiol	1379	0.138
α-Humulene	8571	0.857
Isopulegol	-	-
d-Limonene	15605	1.56
Linalol	-	-
β-Myrcene	7502	0.75
cis-Nerolidol	-	-
α-Ocimene	440	0.044
β-Ocimene	1022	0.102
α-Pinene	2468	0.247
β-Pinene	1246	0.125
α-Terpinene	548	0.0548
γ-Terpinene	425	0.0425
Terpinolene	2204	0.22
TOTAL	61268	6.13



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.



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.

CERTIFICATE OF ANALYSIS (SAMPLE ID: SA2020-24217)

<b>Testing Location:</b> OKC 3680 E. I-240 Service Rd. Oklahoma City, OK 73135 License: LAAA-4Y4X-Z7ZZ	<b>Customer ID:</b> 1448 Noble Nectar 8750 84th St Noble, OK 73068 License: PAAA-VJZG-KNPG	<b>Order ID:</b> OR2020-7598 <b>Lot Number:</b> L501 <b>Batch Number:</b> 0202	<b>Sample Type:</b> Primary <b>Matrix:</b> Concentrate <b>Mass:</b> 2g <b>Date Collected:</b> 03/16/2020 <b>Date Received:</b> 03/16/2020 <b>Date Completed:</b> 03/19/2020
--	--	--	--

CANNABINOID (POTENCY) PROFILE

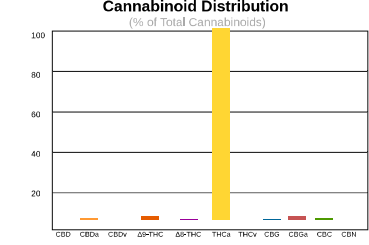
Analysis Date/Time:	Method:	Moisture Content (%):
03/17/2020 1101	HPLC/DAD	-
Analyst: WW	Instrument: Agilent 1100	Water Activity (aw): -

Cannabinoid	Result (%)	Result (mg/g)	Reporting Limit (mg/g)	Result (mg/mL)	Per Unit (mg)
CBD	-	-	0.504	-	-
CBDA	0.175	1.75	0.504	-	1.75
CBDV	-	-	0.504	-	-
Δ <sup>9</sup> -THC	1.02	10.2	0.504	-	10.2
Δ <sup>8</sup> -THC	0.0811	0.811	0.504	-	0.811
THCa	75.1	751	0.504	-	751
THCv	-	-	0.504	-	-
CBG	0.141	1.41	0.504	-	1.41
CBG	0.0857	0.857	0.504	-	0.857
CBGa	1.08	10.8	0.504	-	10.8
CBN	-	-	0.504	-	-
TOTAL	77.7	777	-	-	777
TOTAL THC	66.9	669	-	-	669
TOTAL CBD	0.153	1.53	-	-	1.53



UNIT MASS (g): 1  
"-" Not detected above RL.



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) + Δ<sup>8</sup>-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.

SUMMARY OF ANALYSIS (SAMPLE ID: SA2020-24217)

<b>Testing Location:</b> OKC 3680 E. I-240 Service Rd. Oklahoma City, OK 73135 License: LAAA-4Y4X-Z7ZZ	<b>Customer ID:</b> 1448 Noble Nectar 8750 84th St Noble, OK 73068 License: PAAA-VJZG-KNPG	<b>Order ID:</b> OR2020-7598 <b>Lot Number:</b> L501 <b>Batch Number:</b> 0202	<b>Sample Type:</b> Primary <b>Matrix:</b> Concentrate <b>Mass:</b> 2g <b>Date Collected:</b> 03/16/2020 <b>Date Received:</b> 03/16/2020 <b>Date Completed:</b> 03/19/2020
--	--	--	--

Solvent	Result (μg/g)	Action Level (μg/g)	Color Key
Acetone (67-64-1)	-	1000	RESULT > 1/2 AL
Benzene (71-43-2)	-	2	1/2 AL < RESULT < AL
n-Butane (106-97-2)	-	1000	RESULT > AL
2,2-Dimethylbutane (75-93-2)	-	60	Reporting Limit (μg/g)
2,3-Dimethylbutane (79-29-8)	-	60	1/2 of AL
Ethyl benzene (110-41-4)	-	430	"-" not detected above reporting limit
n-Heptane (142-82-5)	-	1000	** = o,m,p-Xylene and Ethylbenzene
n-Hexane (110-54-3)	-	60	
Isobutane (75-28-5)	-	1000	
Isopropanol (67-63-0)	-	1000	
2-Methylbutane (78-78-4)	-	1000	
2-Methylpentane (107-83-6)	-	60	
3-Methylpentane (96-10-0)	-	60	
n-Pentane (109-66-0)	-	1000	
n-Propane (74-98-6)	-	1000	
Toluene (108-88-3)	-	430	
o-Xylene (95-47-6)	-	430	
m,p-Xylene (108-38-3 or 106-42-3)	-	430	
Xylenes* (1330-20-7)	-	430	



Solvent	Synonym(s)	Solvent	Synonym(s)	Solvent	Synonym(s)
Acetonitrile	Methyl Cyanide, ACN	2-Ethoxyethanol	Celvolone, Ethyl glycol	Methanol	Methyl alcohol
1-Butanol	n-Butanol, Butyl Alcohol	Ethyl ether	Diethyl ether, Ether	2-Methylbutane	Isopentane
2-Butanol	sec-Butyl alcohol	Ethyl acetate	EtOAc	Methylene chloride	Dichloromethane
2-Butanone	Methyl ethyl ketone, MEK	Ethyl benzene	Phenylbenzene	2-Methylpentane	Isobexane
1,2-Dimethoxyethane	Monoglyme	Ethylene oxide	Oxirane	1-Pentanol	n-Amyl alcohol
2,3-Dimethylbutane	Neobexane	2-Methylpropane	Isobutane	Tetrahydrofuran	THF
2,3-Dimethylbutane	Diisopropyl	Isopropanol, IPA	2-Propanol, IPA	Tetramethylene sulfone	Sulfonane
N,N-Dimethylformamide	DMF	Isopropyl Acetate	Acetic acid isopropyl ester	Xylene	Dimethylbenzene
Dimethylsulfoxide	DMSO				

Abbreviations: HS=Headspace, GC=Gas Chromatography, MS=Mass Spectrometry, RL=Reporting Limit, AL=Action Level  
CAS-Chemical Abstract Services  
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.

**SUMMARY OF ANALYSIS (SAMPLE ID: SA2020-24217)**

<b>Testing Location:</b> OKC 3680 E. I-240 Service Rd. Oklahoma City, OK 73135 License: LAAA-4Y4X-Z7ZZ	<b>Customer ID:</b> 1448 Noble Nectar 8750 84th St Noble, OK 73068 License: PAAA-VJZG-KNPG	<b>Order ID:</b> OR2020-7598 <b>Lot Number:</b> L501 <b>Batch Number:</b> 0202	<b>Sample Type:</b> Primary <b>Matrix:</b> Concentrate <b>Mass:</b> 2g <b>Date Collected:</b> 03/16/2020 <b>Date Received:</b> 03/16/2020 <b>Date Completed:</b> 03/19/2020
--	--	--	--

**Cultivar (Strain) or Sample Description:** Lemon Swirl

**PESTICIDES PROFILE**

<b>Analysis Date/Time:</b> 03/17/2020 1101 <b>Analyst:</b> DJ	<b>Method:</b> LC/MS/MS <b>Instrument:</b> Waters Acquity/TQD	<b>Deviations from SOP:</b> None
--	--	-------------------------------------

Pesticide	Result (ug/g)	Action Level (ug/g)	Color Key
Abamectin (71751-41-2)	-	0.5	RESULT < 1/2 AL
Azoxystrobin (131860-33-8)	-	0.5	1/2 AL < RESULT < AL
Bifenazate* (149877-41-8)	-	0.5	RESULT > AL
Etoxazole (153233-91-1)	-	0.5	Reporting Limit (ug/g)
Imazalil (35554-44-0)	-	0.5	1/2 of AL
Imidacloprid (130261-41-3)	-	0.5	"-" not detected above reporting limit
Malathion (121-75-5)	-	0.5	"*" analyzed by GC/MS (all others analyzed by LC/MS/MS)
Myclobutanil (88671-89-0)	-	0.5	Permethrins measured as the cumulative residue of the cis- and trans-permethrin isomers.
Permethrin* (52645-53-1)	-	0.5	
Spinosad A (168316-95-4)	-	0.5	
Spinosad D (168316-95-4)	-	0.5	
Spiromesifen (203594-90-1)	-	0.5	
Spirotetramat (203313-25-1)	-	0.5	
Tebuconazole (80443-1-0)	-	0.5	

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

Pesticide	Synonyms(s)	Pesticide	Synonyms(s)	Pesticide	Synonyms(s)
Cyfluthrin	Baythroid	Methidathion	Systhane	Propiconazole	Tilt
DIMP	Dichlorvos	Naled	Dibrom	Propoxur	Baygon
Ethofenprox	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.

**SUMMARY OF ANALYSIS (SAMPLE ID: SA2020-24217)**

<b>Testing Location:</b> OKC 3680 E. I-240 Service Rd. Oklahoma City, OK 73135 License: LAAA-4Y4X-Z7ZZ	<b>Customer ID:</b> 1448 Noble Nectar 8750 84th St Noble, OK 73068 License: PAAA-VJZG-KNPG	<b>Order ID:</b> OR2020-7598 <b>Lot Number:</b> L501 <b>Batch Number:</b> 0202	<b>Sample Type:</b> Primary <b>Matrix:</b> Concentrate <b>Mass:</b> 2g <b>Date Collected:</b> 03/16/2020 <b>Date Received:</b> 03/16/2020 <b>Date Completed:</b> 03/19/2020
--	--	--	--

**Cultivar (Strain) or Sample Description:** Lemon Swirl

**HEAVY METAL PROFILE**

<b>Analysis Date/Time:</b> 03/17/2020 1101 <b>Analyst:</b> CC	<b>Method:</b> ICP/MS <b>Instrument:</b> PerkinElmer Elan 9000	<b>Deviations from SOP:</b> None
--	---	-------------------------------------

Heavy Metal	Result (ug/kg)	Action Level (ug/kg)	Color Key
Arsenic (As)	-	400	RESULT < 1/2 AL
Cadmium (Cd)	-	440	1/2 AL < RESULT < AL
Lead (Pb)	-	1000	RESULT > AL
Mercury (Hg)	-	200	Reporting Limit (ug/kg)
		50	"-" not detected above reporting limit

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

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.

**SUMMARY OF ANALYSIS (SAMPLE ID: SA2020-24217)**

<b>Testing Location:</b> OKC 3680 E. I-240 Service Rd. Oklahoma City, OK 73135 License: LAAA-4Y4X-Z7ZZ	<b>Customer ID:</b> 1448 Noble Nectar 8750 84th St Noble, OK 73068 License: PAAA-VJZG-KNPG	<b>Order ID:</b> OR2020-7598 <b>Lot Number:</b> L501 <b>Batch Number:</b> 0202	<b>Sample Type:</b> Primary <b>Matrix:</b> Concentrate <b>Mass:</b> 2g <b>Date Collected:</b> 03/16/2020 <b>Date Received:</b> 03/16/2020 <b>Date Completed:</b> 03/19/2020
--	--	--	--

**Cultivar (Strain) or Sample Description:** Lemon Swirl

**MYCOTOXIN PROFILE**

<b>Analysis Date/Time:</b> 03/17/2020 1101 <b>Analyst:</b> DJ	<b>Method:</b> LC/MS/MS <b>Instrument:</b> Waters Acquity/TQD	<b>Deviations from SOP:</b> None
--	--	-------------------------------------

Mycotoxin	Result (ug/kg)	Action Level (ug/kg)	Color Key
Aflatoxin B1	-	20	RESULT < 1/2 AL
Aflatoxin B2	-	20	1/2 AL < RESULT < AL
Aflatoxin G1	-	20	RESULT > AL
Aflatoxin G2	-	20	Reporting Limit (CFU/g)
Ochratoxin A	-	20	1

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.

**SUMMARY OF ANALYSIS (SAMPLE ID: SA2020-24217)**

<b>Testing Location:</b> OKC 3680 E. I-240 Service Rd. Oklahoma City, OK 73135 License: LAAA-4Y4X-Z7ZZ	<b>Customer ID:</b> 1448 Noble Nectar 8750 84th St Noble, OK 73068 License: PAAA-VJZG-KNPG	<b>Order ID:</b> OR2020-7598 <b>Lot Number:</b> L501 <b>Batch Number:</b> 0202	<b>Sample Type:</b> Primary <b>Matrix:</b> Concentrate <b>Mass:</b> 2g <b>Date Collected:</b> 03/16/2020 <b>Date Received:</b> 03/16/2020 <b>Date Completed:</b> 03/19/2020
--	--	--	--

**Cultivar (Strain) or Sample Description:** Lemon Swirl

**MICROBIOLOGICAL PROFILE**

<b>Analysis Date/Time:</b> 03/17/2020 1101 <b>Analyst:</b> KB	<b>Method:</b> Hardy Diagnostics CompactDry <b>Instrument:</b> Thermo Incubator	<b>Deviations from SOP:</b> None
--	--	-------------------------------------

Bacteria/Microbe	Result (CFU/g)	Action Level (CFU/g)	Color Key
Aerobic Plate Count, Total	Absent	-	RESULT < 1/2 AL
Escherichia Coli (E. Coli)	Absent	1	1/2 AL < RESULT < AL
Mold	Absent	10000	RESULT > AL
Yeast	Absent	10000	Reporting Limit (CFU/g)
Salmonella spp.	Absent	1	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.