

SUMMARY OF ANALYSIS (SAMPLE ID: SA2020-24137)

Testing Location: OKC 3680 E. I-240 Service Rd. Oklahoma City, OK 73135 License: LAAA-4Y4X-Z7ZZ	Customer ID: 1448 Noble Nectar 8750 84th St Noble, OK 73068 License: PAAA-VJZG-KNP6	Order ID: OR2020-7575 Lot Number: LLD001 Batch Number: 0299	Sample Type: Primary Matrix: Concentrate Mass: 2g Date Collected: 03/13/2020 Date Received: 03/13/2020 Date Completed: 03/18/2020
--	--	--	--

*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	73.5	735
Δ9-THC	0.868	9
CBGa	0.323	3
TOTAL CBD	0.129	1.29
TOTAL THC	65.3	653
TOTAL CANNABINOIDS	74.8	748

Terpenes (Top 5)	(%)	µg/g
β-Caryophyllene	1.803	18034
α-Humulene	0.726	7261
d-Limonene	0.218	2183
β-Ocimene	0.127	1273
β-Pinene	0.046	464
TOTAL TERPENES	3.03	30313

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: SA2020-24137)

Testing Location: OKC 3680 E. I-240 Service Rd. Oklahoma City, OK 73135 License: LAAA-4Y4X-Z7ZZ	Customer ID: 1448 Noble Nectar 8750 84th St Noble, OK 73068 License: PAAA-VJZG-KNP6	Order ID: OR2020-7575 Lot Number: LLD001 Batch Number: 0299	Sample Type: Primary Matrix: Concentrate Mass: 2g Date Collected: 03/13/2020 Date Received: 03/13/2020 Date Completed: 03/18/2020
--	--	--	--

Terpene	Result (µg/g)	Result (%)
α-Bisabolol	-	-
Camphene	253	0.0253
δ-3-Carene	-	-
β-Caryophyllene	18034	1.8
Caryophyllene oxide	-	-
p-Cymene	-	-
Eucalyptol	-	-
Geraniol	-	-
Guaiol	357	0.0357
α-Humulene	7261	0.726
Isopulegol	-	-
d-Limonene	2183	0.218
Linalol	-	-
β-Myrcene	-	-
cis-Nerolidol	-	-
trans-Nerolidol	-	-
α-Ocimene	127	0.0127
β-Ocimene	1273	0.127
α-Pinene	361	0.0361
β-Pinene	464	0.0464
α-Terpinene	-	-
γ-Terpinene	-	-
Terpinolene	-	-
TOTAL	30313	3.03



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): 20.1

CERTIFICATE OF ANALYSIS (SAMPLE ID: SA2020-24137)

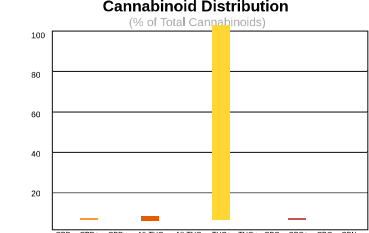
Testing Location: OKC 3680 E. I-240 Service Rd. Oklahoma City, OK 73135 License: LAAA-4Y4X-Z7ZZ	Customer ID: 1448 Noble Nectar 8750 84th St Noble, OK 73068 License: PAAA-VJZG-KNP6	Order ID: OR2020-7575 Lot Number: LLD001 Batch Number: 0299	Sample Type: Primary Matrix: Concentrate Mass: 2g Date Collected: 03/13/2020 Date Received: 03/13/2020 Date Completed: 03/18/2020
--	--	--	--

Analysis Date/Time:	Method:	Moisture Content (%):
03/16/2020 1231	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	-	-	0.502	-	-
CBDa	0.148	1.48	0.502	-	1.48
CBDv	-	-	0.502	-	-
Δ9-THC	0.868	8.68	0.502	-	9
Δ8-THC	-	-	0.502	-	-
THCa	73.5	735	0.502	-	735
THCv	-	-	0.502	-	-
CBC	-	-	0.502	-	-
CBG	-	-	0.502	-	-
CBGa	0.323	3.23	0.502	-	3
CBN	-	-	0.502	-	-
TOTAL	74.8	748	-	-	748
TOTAL THC	65.3	653	-	-	653
TOTAL CBD	0.129	1.29	-	-	1.29



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



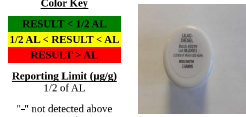
Deviations from standard operating procedure: None
Recoveries for all analyte standards: 90-110%
Replicate Uncertainties: <5% RSD, <20% RPD
Sample/Reagent Blanks: <RL for all analytes
Values for plant matter are adjusted for moisture content.
Total THC = (THCa x 0.877) + Δ8-THC
Total CBD = (CBDa x 0.877) + 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: SA2020-24137)

Testing Location: OKC 3680 E. I-240 Service Rd. Oklahoma City, OK 73135 License: LAAA-4Y4X-Z7ZZ	Customer ID: 1448 Noble Nectar 8750 84th St Noble, OK 73068 License: PAAA-VJZG-KNP6	Order ID: OR2020-7575 Lot Number: LLD001 Batch Number: 0299	Sample Type: Primary Matrix: Concentrate Mass: 2g Date Collected: 03/13/2020 Date Received: 03/13/2020 Date Completed: 03/18/2020
--	--	--	--

Solvent	Result (µg/g)	Action Level (µg/g)
Acetone (67-64-1)	-	1000
Benzene (71-43-2)	-	2
n-Butane (106-97-2)	-	1000
2,2-Dimethylbutane (75-93-2)	-	60
2,3-Dimethylbutane (79-29-8)	-	60
Ethyl benzene (100-41-4)	-	430
n-Heptane (142-82-5)	-	1000
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)	-	180
o-Xylene (95-47-6)	-	430
m,p-Xylene (108-38-3 or 106-42-3)	-	430
Xylenes* (1330-20-7)	-	430



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.

Solvent	Synonym(s)	Solvent	Synonym(s)	Solvent	Synonym(s)
Acetonitrile	Methyl Cyanide, ACN	2-Ethoxyethanol	Cellulose, 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	Ethylene glycol	Phenylethane	2-Methylpentane	Isobexane
1,2-Dimethoxyethane	Monoglyme	Ethylene oxide	1,2-Ethanedithiol	1-Pentanol	n-Amyl alcohol
2,3-Dimethylbutane	Neohexane	Isobutane	Oxirane	1-Propanol	Propyl alcohol
2,3-Dimethylbutane	Neohexane	Isopropanol	2-Methylpropane	Tetrahydrofuran	THF
2,3-Dimethylbutane	Diisopropyl	Isopropyl acetate	2-Propanol, IPA	Tetramethylene sulfone	Sulfonane
N,N-Dimethylformamide	DMF	DMF	Acetic acid isopropyl ester	Xylene	Dimethylbenzene
Dimethylsulfoxide	DMSO	DMSO			

SUMMARY OF ANALYSIS (SAMPLE ID: SA2020-24137)

Testing Location: OKC 3680 E. I-240 Service Rd. Oklahoma City, OK 73135 License: LAAA-4Y4X-Z7ZZ	Customer ID: 1448 Noble Nectar 8750 84th St Noble, OK 73068 License: PAAA-VJZG-KNPG	Order ID: OR2020-7575 Lot Number: LLD001 Batch Number: 0299	Sample Type: Primary Matrix: Concentrate Mass: 2g Date Collected: 03/13/2020 Date Received: 03/13/2020 Date Completed: 03/18/2020
--	--	--	--

Cultivar (Strain) or Sample Description: Lilac Diesel

PESTICIDES PROFILE

Analysis Date/Time: 03/16/2020 1231 Analyst: DJ	Method: LC/MS/MS Instrument: Waters Acquity/TQD	Deviations from SOP: 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	
Imazalil (35554-44-0)	-	0.5	Reporting Limit (ug/g)
Imidacloprid (130261-41-3)	-	0.5	1/2 of AL
Malathion (121-75-5)	-	0.5	"-" not detected above reporting limit
Myclobutanil (89671-89-0)	-	0.5	
Permethrin** (52645-53-1)	-	0.5	** analyzed by GC/MS (all others analyzed by LC/MS/MS)
Spinosad A (168316-95-8)	-	0.5	
Spinosad D (168316-95-8)	-	0.5	
Spiromesifen (2033594-90-1)	-	0.5	Permethrins measured as the cumulative residue of the cis- and trans-permethrin isomers.
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
DWP	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: SA2020-24137)

Testing Location: OKC 3680 E. I-240 Service Rd. Oklahoma City, OK 73135 License: LAAA-4Y4X-Z7ZZ	Customer ID: 1448 Noble Nectar 8750 84th St Noble, OK 73068 License: PAAA-VJZG-KNPG	Order ID: OR2020-7575 Lot Number: LLD001 Batch Number: 0299	Sample Type: Primary Matrix: Concentrate Mass: 2g Date Collected: 03/13/2020 Date Received: 03/13/2020 Date Completed: 03/18/2020
--	--	--	--

Cultivar (Strain) or Sample Description: Lilac Diesel

HEAVY METAL PROFILE

Analysis Date/Time: 03/16/2020 1231 Analyst: CC	Method: ICP/MS Instrument: PerkinElmer Elan 9000	Deviations from SOP: None
--	---	-------------------------------------

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

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

Color Key

RESULT < 1/2 AL

1/2 AL < RESULT < AL

RESULT > AL

Reporting Limit (ug/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.

SUMMARY OF ANALYSIS (SAMPLE ID: SA2020-24137)

Testing Location: OKC 3680 E. I-240 Service Rd. Oklahoma City, OK 73135 License: LAAA-4Y4X-Z7ZZ	Customer ID: 1448 Noble Nectar 8750 84th St Noble, OK 73068 License: PAAA-VJZG-KNPG	Order ID: OR2020-7575 Lot Number: LLD001 Batch Number: 0299	Sample Type: Primary Matrix: Concentrate Mass: 2g Date Collected: 03/13/2020 Date Received: 03/13/2020 Date Completed: 03/18/2020
--	--	--	--

Cultivar (Strain) or Sample Description: Lilac Diesel

MYCOTOXIN PROFILE

Analysis Date/Time: 03/16/2020 1231 Analyst: DJ	Method: LC/MS/MS Instrument: Waters Acquity/TQD	Deviations from SOP: None
--	--	-------------------------------------

Mycotoxin	Result (ug/kg)	Action Level (ug/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.

SUMMARY OF ANALYSIS (SAMPLE ID: SA2020-24137)

Testing Location: OKC 3680 E. I-240 Service Rd. Oklahoma City, OK 73135 License: LAAA-4Y4X-Z7ZZ	Customer ID: 1448 Noble Nectar 8750 84th St Noble, OK 73068 License: PAAA-VJZG-KNPG	Order ID: OR2020-7575 Lot Number: LLD001 Batch Number: 0299	Sample Type: Primary Matrix: Concentrate Mass: 2g Date Collected: 03/13/2020 Date Received: 03/13/2020 Date Completed: 03/18/2020
--	--	--	--

Cultivar (Strain) or Sample Description: Lilac Diesel

MICROBIOLOGICAL PROFILE

Analysis Date/Time: 03/16/2020 1231 Analyst: KB	Method: Hardy Diagnostics CompactDry Instrument: Thermo Incubator	Deviations from SOP: None
--	--	-------------------------------------

Bacteria/Microbe	Result (CFU/g)	Action Level (CFU/g)
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.