

**SUMMARY OF ANALYSIS (SAMPLE ID: SA25419)**

<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-KNP6	<b>Order ID:</b> OR7941 <b>Lot Number:</b> MM01 <b>Batch Number:</b> 0320	<b>Sample Type:</b> Primary <b>Matrix:</b> Concentrate <b>Mass:</b> 2g <b>Date Collected:</b> 04/08/2020 <b>Date Received:</b> 04/08/2020 <b>Date Completed:</b> 04/13/2020
--	--	---	--

\*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	83.6	836
CBGa	1.26	13
Δ9-THC	0.935	9
TOTAL CBD	0.124	1.24
TOTAL THC	74.3	743
TOTAL CANNABINOIDS	86.1	861

Terpenes (Top 5)	(%)	μg/g
β-Caryophyllene	1.710	17099
d-Limonene	1.351	13507
β-Ocimene	0.832	8322
β-Myrcene	0.654	6542
α-Pinene	0.174	1744
TOTAL TERPENES	5.07	50674

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.

**CERTIFICATE OF ANALYSIS (SAMPLE ID: SA25419)**

<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-KNP6	<b>Order ID:</b> OR7941 <b>Lot Number:</b> MM01 <b>Batch Number:</b> 0320	<b>Sample Type:</b> Primary <b>Matrix:</b> Concentrate <b>Mass:</b> 2g <b>Date Collected:</b> 04/08/2020 <b>Date Received:</b> 04/08/2020 <b>Date Completed:</b> 04/13/2020
--	--	---	--

**CANNABINOID (POTENCY) PROFILE**

Analysis Date/Time:	Method:	Instrument:	Moisture Content (%):
04/09/2020 1324	HPLC/DAD	Agilent 1100	Water Activity (aw):
Analyst: WW			

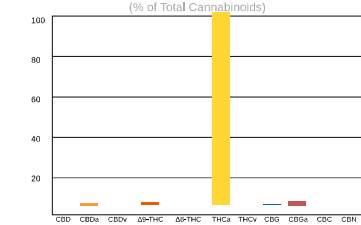
  

Cannabinoid	Result (%)	Result (mg/g)	Reporting Limit (mg/g)	Result (mg/mL)	Per Unit (mg)
CBD	-	-	0.515	-	-
CBDa	0.141	1.41	0.515	-	1.41
CBDV	-	-	0.515	-	-
Δ9-THC	0.935	9.35	0.515	-	9
Δ8-THC	-	-	0.515	-	-
THCa	83.6	836	0.515	-	836
THCv	-	-	0.515	-	-
CBC	-	-	0.515	-	-
CBG	0.087	0.87	0.515	-	0.87
CBGa	1.26	12.6	0.515	-	13
CBN	-	-	0.515	-	-
<b>TOTAL</b>	<b>86.1</b>	<b>861</b>			<b>861</b>
<b>TOTAL THC</b>	<b>74.3</b>	<b>743</b>			<b>743</b>
<b>TOTAL CBD</b>	<b>0.124</b>	<b>1.24</b>			<b>1.24</b>



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

**Cannabinoid Distribution**



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: SA25419)**

<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-KNP6	<b>Order ID:</b> OR7941 <b>Lot Number:</b> MM01 <b>Batch Number:</b> 0320	<b>Sample Type:</b> Primary <b>Matrix:</b> Concentrate <b>Mass:</b> 2g <b>Date Collected:</b> 04/08/2020 <b>Date Received:</b> 04/08/2020 <b>Date Completed:</b> 04/13/2020
--	--	---	--

**TERPENOID PROFILE**

Analysis Date/Time:	Method:	Instrument:	Deviations from SOP:
04/09/2020 1324	HS/GC/FID (Internal Method-002)	Agilent 6890	None
Analyst: DJ			

Terpene	Result (μg/g)	Result (%)
α-Bisabolol	373	0.0373
Camphene	-	-
δ-3-Carene	-	-
β-Caryophyllene	17099	1.71
Caryophyllene oxide	336	0.0336
p-Cymene	-	-
Eucalyptol	-	-
Geraniol	-	-
Guaiol	-	-
α-Humulene	-	-
Isopulegol	-	-
d-Limonene	13507	1.35
Linalol	-	-
β-Myrcene	6542	0.654
cis-Nerolidol	-	-
trans-Nerolidol	-	-
α-Ocimene	-	-
β-Ocimene	8322	0.832
α-Pinene	1744	0.174
β-Pinene	1575	0.158
α-Terpinene	-	-
γ-Terpinene	-	-
Terpinolene	1175	0.118
<b>TOTAL</b>	<b>50674</b>	<b>5.07</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.

\*L\* Not detected above RL.  
Reporting Limit (μg/g): 20.6

**SUMMARY OF ANALYSIS (SAMPLE ID: SA25419)**

<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-KNP6	<b>Order ID:</b> OR7941 <b>Lot Number:</b> MM01 <b>Batch Number:</b> 0320	<b>Sample Type:</b> Primary <b>Matrix:</b> Concentrate <b>Mass:</b> 2g <b>Date Collected:</b> 04/08/2020 <b>Date Received:</b> 04/08/2020 <b>Date Completed:</b> 04/13/2020
--	--	---	--

**RESIDUAL SOLVENT PROFILE**

Analysis Date/Time:	Method:	Instrument:	Deviations from SOP:
04/09/2020 1324	USP <467>	Agilent 6890	None
Analyst: CC			

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	
2,3-Dimethylbutane (79-29-8)	-	60	
Ethyl benzene (100-41-4)	-	430	
n-Heptane (142-92-5)	-	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)	-	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	Neohexane	2-Methylpropane	Isobutane	Terahydrofuran	Propyl alcohol
2,3-Dimethylbutane	Diisopropyl	Isopropanol	2-Propanol, IPA	Tetramethylene sulfone	THF
N,N-Dimethylformamide	DMF	Isopropyl Acetate	Acetic acid isopropyl ester	Sulfonane	Sulfonane
Dimethylsulfoxide	DMSO			Xylene	Dimethylbenzene

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: SA25419)**

<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> OR7941 <b>Lot Number:</b> MM01 <b>Batch Number:</b> 0320	<b>Sample Type:</b> Primary <b>Matrix:</b> Concentrate <b>Mass:</b> 2g <b>Date Collected:</b> 04/08/2020 <b>Date Received:</b> 04/08/2020 <b>Date Completed:</b> 04/13/2020
--	--	---	--

**Cultivar (Strain) or Sample Description:** Mimosa

**PESTICIDES PROFILE**

<b>Analysis Date/Time:</b> 04/09/2020 1324 <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* (149077-41-8)	-	0.5	RESULT > AL
Etoxazole (153233-91-1)	-	0.5	Reporting Limit (ug/g)
Imazali (355544-44-0)	-	0.5	1/2 of AL
Imidacloprid (138261-41-3)	-	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 (89671-89-0)	-	0.5	Permethrin measured as the cumulative residue of the cis- and trans-permethrin isomers.
Permethrin* (52645-53-1)	-	0.5	
Spinosad A (168316-95-8)	-	0.5	
Spinosad D (168316-95-8)	-	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	Systane	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: SA25419)**

<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> OR7941 <b>Lot Number:</b> MM01 <b>Batch Number:</b> 0320	<b>Sample Type:</b> Primary <b>Matrix:</b> Concentrate <b>Mass:</b> 2g <b>Date Collected:</b> 04/08/2020 <b>Date Received:</b> 04/08/2020 <b>Date Completed:</b> 04/13/2020
--	--	---	--

**Cultivar (Strain) or Sample Description:** Mimosa

**HEAVY METAL PROFILE**

<b>Analysis Date/Time:</b> 04/09/2020 1324 <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)
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: SA25419)**

<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> OR7941 <b>Lot Number:</b> MM01 <b>Batch Number:</b> 0320	<b>Sample Type:</b> Primary <b>Matrix:</b> Concentrate <b>Mass:</b> 2g <b>Date Collected:</b> 04/08/2020 <b>Date Received:</b> 04/08/2020 <b>Date Completed:</b> 04/13/2020
--	--	---	--

**Cultivar (Strain) or Sample Description:** Mimosa

**MYCOTOXIN PROFILE**

<b>Analysis Date/Time:</b> 04/09/2020 1324 <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)
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: SA25419)**

<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> OR7941 <b>Lot Number:</b> MM01 <b>Batch Number:</b> 0320	<b>Sample Type:</b> Primary <b>Matrix:</b> Concentrate <b>Mass:</b> 2g <b>Date Collected:</b> 04/08/2020 <b>Date Received:</b> 04/08/2020 <b>Date Completed:</b> 04/13/2020
--	--	---	--

**Cultivar (Strain) or Sample Description:** Mimosa

**MICROBIOLOGICAL PROFILE**

<b>Analysis Date/Time:</b> 04/09/2020 1324 <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)
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.