

Arkansas Location 232 S Broadview St Greenbrier, AR 72058 (501) 679-2616

Oklahoma City Location 3680 E I-240 Service Rd Oklahoma City, OK 73135 (405) 595-0344

Tulsa Location 14720 E Admiral Pl, Ste H Tulsa, OK 74108 (918) 340-7139

SUMMARY OF ANALYSIS (SAMPLE ID: SA2020-23900)

Customer ID: 1448 Order ID: OR2020-7516 Testing Location: Sample Type: Primary OKC Noble Nectar Lot Number: Matrix: Concentrate 3680 E. I-240 Service Rd. 8750 84th St MZ001 Mass: 2g Oklahoma City, OK 73135 Noble, OK 73068 Batch Number: Date Collected: 03/10/2020 License: LAAA-4Y4X-Z72Z License: PAAA-VJZG-KNP6 0295 Date Received: 03/10/2020 Cultivar (Strain) or Sample Description: Mandarin Zketteles Date Completed: 03/13/2020

*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. 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 (%)	PASS/FAIL	Water Activity (aw)	PASS/FAIL
Not Tested	N/A	Not Tested	N/A
Cannabinoids (7	Fen 2)	(9/)	
	<u>.op 3)</u>	<u>(%)</u>	mg/g
THCa		74	740
Δ9 - THC		3.27	33
CBGa		0.282	3
TOTAL CBI	5	0.128	1.28
TOTAL THO	3	68.1	681
TOTAL CANNAB	INOIDS	77.7	77 7
Terpenes (Top	<u>5)</u>	(%)	µg/g
β-Caryophylle	ene	1.461	14605
β-Myrcene		1.073	10732
d-Limonene	2	0.779	7794
α-Humulene	è	0.712	7124
Terpinolene	•	0.108	1076
TOTAL TERPE	NES	4.36	43645
6tit-	DACCEAU	6I- Di U	- Di

Contaminants Heavy Metals: Microbiology: Mycotoxins: Pesticides: PASS Residual Solvents: Visual Inspection





Som the QR code to verify results.

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3680 E. I-240 Service	Rd. 8750 84th St	MZ001	Mass: 2g
Oklahoma City, OK 7	3135 Noble , OK 73068	Batch Number:	Date Collected: 03/10/2020
License: LAAA-4Y4X	Z72Z License: PAAA-VJZG-KNP6	0295	Date Received: 03/10/2020
Cultivar (Strain) or S	Sample Description: Mandarin Zketteles		Date Completed: 03/13/2020

TERPENOID PROFILE

Analysis Date/Time: 03/11/2020 1229 Method: HS/GC/FID (Internal Method=002) Deviations from SOP:

Analyst: DJ		Instru	ment: Agilent 6890
<u>Terpene</u>	Result (µg/g)	Result (%)	
α-Bisabolol	138	0.0138	
Camphene	497	0.0497	1
δ-3-Carene	-	-	
β-Caryophyllene	14605	1.46	
Caryophyllene oxide	-	-	
p-Cymene	-	-	
Eucalyptol	-	-	
Geraniol	-	-	
Guaiol	275	0.0275	1
α-Humulene	7124	0.712	
Isopulegol	-	-	
d-Limonene	7794	0.779	
Linalool	194	0.0194	1
β-Myrcene	10732	1.07	
cis-Nerolidol	-	-	
trans-Nerolidol	-	-	
α-Ocimene	-	-	
β-Ocimene	-	-	
α-Pinene	523	0.0523	
β-Pinene	419	0.0419	
α-Terpinene	188	0.0188	
γ-Terpinene	80	0.00802	1
Terpinolene	1076	0.108	
TOTAL	43645	4.36	



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





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Order ID: OR2020-7516

Tulsa Location 14720 E Admiral Pl, Ste H Tulsa, OK 74108 (918) 340-7139

Sample Type: Primary

Moisture Content (%): -

Water Activity (aw): -

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

/alues for plant matter are adjusted for moisture

Abbreviations: UV - Ultraviolet, HPLC - High Pressure

Liquid Chromatography, RL - Reporting Limit, RPD -Relative Percent Difference, RSD - Relative Standard Deviation

Total THC = (THCa \times 0.877) + Δ 9-THC Total CBD = (CBDa \times 0.877) + CBD Percentage results are reported by mass. mg/g results are reported as mass component per mass

CERTIFICATE OF ANALYSIS (SAMPLE ID: SA2020-23900)

Cultivar (Strain) or Sample	Description: Mandarin Zketteles	·	Date Completed: 03/13/2020
License: LAAA-4Y4X-Z72Z	License: PAAA-VJZG-KNP6	0295	Date Received: 03/10/2020
Oklahoma City, OK 73135	Noble , OK 73068	Batch Number:	Date Collected: 03/10/2020
3680 E. I-240 Service Rd.	8750 84th St	MZ001	Mass: 2g
ONC	I voble I vectal	Lot Mulliber.	Mati IX. Concentrate

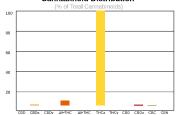
CANNABINOID (POTENCY) PROFILE

Analysis Date/Time: 03/11/2020 1229	Method: HPLC/DAD
Analyst: WW	Instrument: Agilent 1100

Customer ID: 1448

Cannabinoid	Result (%)	Result (mg/g)	Reporting Limit (mg/g)	Result (mg/mL)	Per Unit (mg)
CBD CBDa	-	-	0.501	-	-
	0.146	1.46	0.501	-	1.46
CBDv	-	-	0.501	-	-
Δ9-THC	3.27	32.7	0.501	-	33
Δ8-THC	-	-	0.501	-	-
THCa	74	740	0.501	-	740
THCv	-	-	0.501	-	-
CBC	0.0607	0.607	0.501	-	0.607
CBG	-	-	0.501	-	-
CBGa	0.282	2.82	0.501	-	3
CBN	-	-	0.501	-	-
TOTAL	77.7	777		-	777
TOTAL THC	68.1	681		-	681
TOTAL CRD	0.128	1.28			1.28

Cannabinoid Distribution



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Testing Location:	Customer ID: 1448	Order ID: OR2020-7516	Sample Type: Primary
OKC	Noble Nectar	Lot Number:	Matrix: Concentrate
3680 E. I-240 Service Rd.	8750 84th St	MZ001	Mass: 2g
Oklahoma City, OK 73135	Noble , OK 73068	Batch Number:	Date Collected: 03/10/2020
License: LAAA 4Y4X-Z72Z	License: PAAA-VJZG-KNP6	0295	Date Received: 03/10/2020
Cultivar (Strain) or Sample I	Description: Mandarin Zketteles	•	Date Completed: 03/13/2020

RESIDUAL SOLVENT PROFILE

Analysis Date/Time: 03/11/20	20 1229		Method: USP <467>		Deviations 1	rom SOP:
Analyst:			Instrument: Agilent 6890		None	
olvent	Result	Action Level		Color B	Cey	

· many our		
Solvent	Result (µg/g)	Action Level
Acetone (67-64-1)	-	1000
Benzene (71-43-2)		2
n-Butane (106-97-2)	-	1000
2,2-Dimethylbutane (75-83-2)		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 (107-83-5)	-	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

A

Reporting Limit (μg/g) 1/2 of AL "*" - o,m,p-Xylene and Ethylhenzene

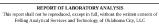


Solvent	Synonym(s)	Solvent	Synonym(s)	Solvent	Synonym(s)
Acetonitrile	Methyl Cyanide, ACN	2-Ethoxyethanol	Cellosolve, Ethyl glycol	Methanol	Methyl alcohol
1-Butanol	n-Butanol, Butyl	Ethyl ether	Diethyl ether, Ether	2-Methylbutane	Isopentane
	Alcohol	Ethyl acetate	EtOAc	Methylene chloride	Dichloromethane
2-Butanol	sec-Butyl alcohol	Ethyl benzene	Phenylethane	2-Methylpentane	Isohexane
2-Butanone	Methyl ethyl ketone, MEK	Ethylene glycol	1,2-Ethanediol	1-Pentanol	n-Amyl alcohol
anno di		Ethylene oxide	Oxirane	1-Propanol	Propyl alcohol
1,2-Dimethoxyethane	Monoglyme	Isobutane	2-Methylpropane	Tetrahydrofuran	THE
2,3-Dimethylbutane	Neohexane			Tetramethylene sulfone	Sulfolane
2,3-Dimethylbutane	Diisopropyl	Isopropanol	2-Propanol, IPA		
N N Dimothulformanida	DME	Isopropyl Acetate	Acetic acid isopropyl ester	Xylene	Dimethylbenzene

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

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OKC	Noble Nectar	Lot Number:	Matrix: Concentrate
3680 E. I-240 Service Rd.	8750 84th St	MZ001	Mass: 2g
Oklahoma City, OK 73135	Noble , OK 73068	Batch Number:	Date Collected: 03/10/2020
License: LAAA-4Y4X-Z72Z	License: PAAA-VJZG-KNP6	0295	Date Received: 03/10/2020
Cultivar (Strain) or Sample	Description: Mandarin Zketteles		Date Completed: 03/13/2020

PESTICIDES PROFILE

Analysis Date/Time: 03/ Analyst: DJ	11/2020 12:	29	Method: LC/MS/MS Instrument: Waters Acquity/TQD	Deviations (rom SOP:
<u>Pesticide</u>	Result (µg/g)	Action Level (µg/g)		Color Key	
Abamectin (71751-41-2)	-	0.5		ULT < 1/2 AL	1
Azoxystrobin (131860-33-8)	-	0.5		< RESULT < AL	MACTOCAS DOLTOCAS DOLTOCAS
Bifenazate* (149877-41-8)	-	0.5	RE	SULT > AL	SHEET STATE OF THE PARTY OF THE
Etoxazole (153233-91-1)	-	0.5	Report	ing Limit (µg/g)	
Imazalil (35554-44-0)	-	0.5		1/2 of AL	
Imidacloprid (138261-41-3)	-	0.5	W. W	detected above	
Malathion (121-75-5)	-	0.5		detected above porting limit	
Myclobutanil (88671-89-0)	-	0.5		-	
Permethrins* (52645-53-1)	-	0.5		lyzed by GC/MS	
Spinosad A (168316-95-8)		0.5		thers analyzed	
Spinosad D (168316-95-8)	-	0.5	by .	LC/MS/MS)	
Spiromesifen (283594-90-1)	-	0.5	Permeth	rins measured as	
Spirotetramat (203313-25-1)	-	0.5		ulative residue of	
Tebuconazole (80443-41-0)	-	0.5		ris- and trans- ethrin isomers.	

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

Pesticide	Synonym(s)	Pesticide	Synonym(s)	Pesticide	Synonym(s)
Cyfluthrin	Baythroid	Myclobutanil	Systhane	Propiconazole	Tilt
DDVP	Dichlorvos	Naled	Dibrom	Propoxur	Baygon
Ethoprophos	Prophos	Phosmet	Imidan		
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Testing Location:	Customer ID: 1448	Order ID: OR2020-7516	Sample Type: Primary
OKC	Noble Nectar	Lot Number:	Matrix: Concentrate
3680 E. I-240 Service Rd.	8750 84th St	MZ001	Mass: 2g
Oklahoma City, OK 73135	Noble , OK 73068	Batch Number:	Date Collected: 03/10/2020
License: LAAA-4Y4X-Z72Z	License: PAAA-VJZG-KNP6	0295	Date Received: 03/10/2020
Cultivar (Strain) or Sample	Description: Mandarin Zketteles		Date Completed: 03/13/2020

HEAVY METAL PROFILE

Analysis Date/Time: 03/11/2020 1229 Method: ICP/MS Deviations from SOP: Analyst: CC Instrument: PerkinElmer Elan 9000

Heavy Metal
Arsenic (As)
Cadmium (Cd)
Lead (Pb)
Mercury (Hg)



Action Level (μg/kg) 400 440 1000 200



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

Color Key



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Customer ID: 1448

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Sample Type: Primary

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License: LAAA-4Y4X-Z72Z	License: PAAA-VJZG-KNP6	0295	Date Received: 03/10/2020
Oklahoma City, OK 73135	Noble , OK 73068	Batch Number:	Date Collected: 03/10/2020
3680 E. I-240 Service Rd.	8750 84th St	MZ001	Mass: 2g
OKC	Noble Nectar	Lot Number:	Matrix: Concentrate

MYCOTOXIN PROFILE

Analysis Date/Time: 03/11/2020 1229	Method: LC/MS/MS	Deviations from SOP:
Analyst: DJ	Instrument: Waters Acquity/TQD	None

Mycotoxin	Result (µg/kg)	<u>Action Level</u> (μg/kg)	1000000
Aflatoxin B1	-	20	
Aflatoxin B2	-	20	
Aflatoxin G1	-	20	MANDASIN XETTELES
Aflatoxin G2	-	20	Earth #2295 Left #9/2795
Ochratoxin A	-	20	NOME OF THE ACTOR NOME OF THE ACTOR
		-	

Abbreviations: EC - Escherichia Coli, CFU - Colony-Forming Unit, RL - Reporting Limit, AL - Action Level



Color Key

Reporting Limit (CFU/g)

"-" not detected above reporting limit

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Noble Nectar	Lot Number:	Matrix: Concentrate
8750 84th St	MZ001	Mass: 2g
Noble , OK 73068	Batch Number:	Date Collected: 03/10/2020
License: PAAA-VJZG-KNP6	0295	Date Received: 03/10/2020
	Noble Nectar 8750 84th St Noble , OK 73068	Noble Nectar Lot Number: 8750 84th St MZ001 Noble , OK 73068 Batch Number:

Cultivar (Strain) or Sample Description: Mandarin Zketteles Date Completed: 03/13/2020 MICROBIOLOGICAL PROFILE Method: Hardy Diagnostics CompactDry Deviations from SOP:

10000

Analysis Date/Time: 03/11/2020 1229 Analyst: KB Instrument: Thermo Incubator Bacteria/Microbe Result (CFU/g) Aerobic Plate Count, Total

Action Level (CFU/g) Absent 10000



None

Abbreviations: EC - Escherichia Coli, CFU - Colony-Forming Unit, RL - Reporting Limit, AL - Action Level, NT - Not Tested

Escherichia Coli (E. Coli)

Mold

Yeast

Salmonella spp.



Reporting Limit (CFU/g)

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