





### SUMMARY OF ANALYSIS (SAMPLE ID: SA35133)

Testing Location:	Customer ID: 37	<b>Order ID:</b> OR10436	Sample Type: Primary
Arkansas	Can-Tek Labs	Lot Number:	Matrix: Oil/Tincture
232 S. Broadview St.	8107 S I-35 Service Rd	0208-12	Mass: 30ml
Greenbrier, AR 72058	Oklahoma City, OK 73149	Batch Number:	Date Collected: 05/02/2023
License: ADA 05_H273	License: Not Entered or N/A	CTK-050223-01	Date Received: 05/08/2023
Cultivar (Strain) or Sample Des	Date Completed: 06/01/2023		

\*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. All contaminant action levels are referenced from the State of Oklahoma-Oral/Rectal/Vaginal MMJ testing guidelines.

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

Moisture content/water activity action levels are referenced from the State of Oklahoma-Oral/Rectal/Vaginal MMJ testing guidelines. Moisture content levels less than 15% are recommended but the sample does not fail. Water activity levels must be less than 0.65aw.

<u>Cannabino</u>	ids (Top 3)	<u>(%)</u>	mg/g		
CE	BD	5.70	57.0		
CE	G	0.353	3.53		
CE	BN	0.0760	0.760		
TOTA	L CBD	5.75	57.5		
TOTA	LTHC	-	-		
TOTAL CAN	NABINOIDS	6.34	63.4		
Terpene	<u>s (Top 5)</u>	<u>(%)</u>	µg∕g		
α-Pi	nene	0.00116	11.6		
d-Lim	onene	0.000685	6.85		
β-My	rcene	0.000536	5.36		
α-Bisa	ibolol	0.000	0.000		
Camp	hene	0.000 0.000			
TOTAL TI	ERPENES	0.00238	23.8		
		Sample Picture Upon Receipt			

<u>Contaminants</u>	PASS/FAIL
Heavy Metals:	PASS
Microbiology:	PASS
Pesticides:	PASS
Residual Solvents:	PASS





Scan the QR code to verify results.

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REPORT OF LABORATORY ANALYSIS

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Cultivar (Strain) or Sample Desc	Date Completed: 06/01/2023		

#### CANNABINOID (POTENCY) PROFILE (SOP: SOP-CANN-001)

Analysis Date/Time: 05/08/2023 1516 Analyst: PW

Method: HPLC/DAD Instrument: Agilent 1100

<u>Cannabinoid</u>	<u>Result</u> (%)	<u>Result</u> (mg/g)	<u>LOD</u> (mg/g)	LOQ (mg/g)	<u>Result</u> (mg/ mL)	<u>Per</u> Serving (mg)	<u>Per</u> <u>Unit</u> (mg)
CBC	0.0487	0.487	0.0110	0.0256	-	0.487	14.6
CBCA	ND	ND	0.0340	0.0794	-	-	-
CBD	5.70	57.0	0.0773	0.180	-	57.0	1710
CBDA	0.0544	0.544	0.0285	0.0664	-	0.544	16.3
CBDV	0.0364	0.364	0.0124	0.0289	-	0.364	10.9
CBDVA	ND	ND	0.0331	0.0772	-	-	-
CBG	0.353	3.53	0.0502	0.117	-	3.53	106
CBGA	0.0663	0.663	0.0360	0.0839	-	0.663	19.9
CBL	ND	ND	0.0580	0.135	-	-	-
CBN	0.0760	0.760	0.0266	0.0622	-	0.760	22.8
CBNA	ND	ND	0.0287	0.0670	-	-	-
Δ9-ΤΗC	ND	ND	0.0319	0.0744	-	-	-
$\Delta 8$ -THC	ND	ND	0.0498	0.116	-	-	-
THCA	ND	ND	0.0173	0.0405	-	-	-
THCV	ND	ND	0.0415	0.0968	-	-	-
THCVA	ND	ND	0.0133	0.0309	-	-	-
TOTAL	6.34	63.4				63.4	1900
TOTAL CBC	0.0487	0.487				0.487	14.6
TOTAL CBD	5.75	57.5			-	57.5	1730
TOTAL CBDV	0.0364	0.364			-	0.364	10.9
TOTAL CBG	0.412	4.12			-	4.12	123
TOTAL CBN	0.0760	0.760			-	0.760	22.8
TOTAL THC	-	-			-	-	-
TOTAL THCV	-	-			-	-	-

Abbreviations: DAD - Diode Array Detector, HPLC - High Pressure Liquid Chromatography, RL - Reporting Limit, RPD - Relative Percent Difference, RSD - Relative Standard Deviation, DET - Detected (less than LOQ), LOD - Limit of Detection, LOQ - Limit of Quantitation, UM - Measurement Uncertainty

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### Moisture Content (%): -Water Activity (aw): -



SERVING MASS (g): 1.00 SERVINGS/UNIT: 30

"-" Not detected above LOD.

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 CBC =  $(CBCA \times 0.877) + CBC$ Total CBD = (CBDA x 0.877) + CBD Total CBDV = (CBDVA x 0.867) + CBDV Total CBG =  $(CBGA \times 0.878) + CBG$ Total CBN = (CBNA x 0.876) + CBN Total THC = (THCA x 0.877) +  $\Delta$ 9-THC Total THCV =  $(THCVA \times 0.867) + THCV$ 

Percentage results are reported by mass.

mg/g results are reported as mass component per mass material.

Kyle W. Felling, Ph.D. ory Dire







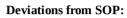


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License: ADA 05_H273	License: Not Entered or N/A	CTK-050223-01	Date Received: 05/08/2023
Cultivar (Strain) or Sample De	<b>Date Completed:</b> 06/01/2023		

Analysis Date/Time:05/16/2023 1822

# TERPENOID PROFILE Method: GC/MS

Analyst: KF	Instrument: Agilent 7890/5975		
<u>Terpene</u>	<u>Result</u> (µg/g)	<u>Result</u> ( <u>%)</u>	
α-Bisabolol	-	-	
Camphene	-	-	
δ-3-Carene	-	-	
β-Caryophyllene	-	-	
Caryophyllene oxide	-	-	
p-Cymene	-	-	
Eucalyptol	-	-	
Geraniol	-	-	
Guaiol	-	-	
α-Humulene	-	-	Abbreviati Chromato
Isopulegol	-	-	Spectrome
d-Limonene	6.85	0.000685	This informand makes
Linalool	-	-	safety of t
β-Myrcene	5.36	0.000536	Results are sample(s)
cis-Nerolidol	-	-	analysis co
trans-Nerolidol	-	-	This report
α-Ocimene	-	-	only and s treat, or pr
β-Ocimene	-	-	medical-re
α-Pinene	11.6	0.00116	The staten not been a
β-Pinene	-	-	the FDA.
α-Terpinene	-	-	
γ-Terpinene	-	-	
Terpinolene	-	-	"-" Not de
TOTAL	23.8	0.00238	



None



Abbreviations: GC - Gas Chromatography, MS - Mass Spectrometry, RL - Reporting Limit

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" Not detected above RL.

Reporting Limit (µg/g): 47.9











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#### **RESIDUAL SOLVENT PROFILE (SOP: SOP-RS-001)**

Analysis Date/Time:	nalysis Date/Time: 05/16/2023 1822 Method: HS/GC/MS					<b>Deviations from SOP:</b>				
Analyst: KF				I	nstrument: Agilent 78	90/5975		Ν	lone	
<u>Solvent</u>	<u>Result</u> (µg/g)	<u>LOD</u> (µg/g)	<u>LOQ</u> (µg/g)	<u>Action</u> Level (µg/g)	<u>Solvent</u>	<u>Result</u> (µg/g)	<u>LOD</u> (µg/g)	<u>LOQ</u> (µg/g)	<u>Action</u> Level (µg/g)	1
Acetone (67-64-1)	-	38.3	76.6	1000	n-Heptane (142-82-5)	-	38.3	76.6	1000	Taxi)
Acetonitrile (75-5-8)	-	38.3	76.6	-	n-Hexane (110-54-3)	-	13.4	26.8	60	Eneral 3 Tincture M
Benzene (71-43-2)	-	0.383	0.766	2	Isobutane (75-28-5)	-	38.3	76.6	1000	101 mars 101 mars 101 # 02013-1 1: 20123 <sup>™</sup>
n-Butane (106-97-2)	-	38.3	76.6	1000	Isopropanol (67-63-0)	-	38.3	76.6	1000	K45022: 410
1-Butanol (71-36-3)	-	38.3	76.6	-	Isopropyl acetate	_	38.3	76.6	_	Letter.
2-Butanol (78-92-2)	-	38.3	76.6	-	(108-21-4)	-	50.5	70.0	-	
2-Butanone (78-93-3)	-	38.3	76.6	-	Isopropyl benzene (98-82-8)	-	3.83	7.66	-	
Cyclohexane (110-82-7)	-	38.3	76.6	-	· /		20.2	76.6	600	Color Key
1,2-Dimethoxyethane	-	3.83	7.66	_	Methanol (67-56-1)	-	38.3		600	
(110-71-4)	-	3.03	7.00	-	2-Methylbutane (78-78-4)	-	38.3	76.6	-	<b>RESULT &lt; AL</b>
N,N-Dimethylacetamide (127-19-5)	-	38.3	76.6	-	Methylene chloride (75-9-2)	-	38.3	76.6	-	<b>RESULT</b> > AL
2,2-Dimethylbutane (75-83-2)	-	13.4	26.8	-	2-Methylpentane (107-83-5)	-	13.4	26.8	-	"DET" detected less than LOQ
2,3-Dimethylbutane		13.4	26.8		3-Methylpentane (96-10-0)	-	13.4	26.8	-	"-" not detected above
(79-29-8)	-	13.4	20.0	-	n-Pentane (109-66-0)	-	38.3	76.6	1000	LOD
N,N-Dimethylformamide	-	38.3	76.6	-	1-Pentanol (71-41-0)	-	38.3	76.6	-	"*" - o,m,p-Xylene and
(68-12-2)					n-Propane (74-98-6)	-	38.3	76.6	1000	Ethylbenzene
Dimethylsulfoxide (67-68-5)	-	38.3	76.6	-	1-Propanol (71-23-8)	-	38.3	76.6	-	A -+
1,4-Dioxane (123-91-1)	-	38.3	76.6	-	Pyridine (110-86-1)	-	13.4	26.8	-	Action levels are referenced from the State of
Ethanol (64-17-5)	-	38.3	76.6	-	Tetrahydrofuran (109-99-9)	-	38.3	76.6	-	Oklahoma-Oral/Rectal/Vaginal
2-Ethoxyethanol (110-80-5)	-	13.4	26.8	-	Tetramethylene sulfone	-	13.4	26.8	-	MMJ testing
Ethyl ether (60-29-7)	-	38.3	76.6	-	(126-33-0)		20.2	76.6	100	guidelines.
Ethyl acetate (141-78-6)	_	38.3	76.6	1000	Toluene (108-88-3)	-	38.3	76.6	180	A value of "-"
Ethyl benzene (100-41-4)		38.3	76.6	-	o-Xylene (95-47-6)	-	38.3	76.6	430	for the action level
Ethylene glycol (107-21-1)	-	38.3	76.6	_	m,p-Xylene (108-38-3 or 106-42-3)	-	38.3	76.6	430	means that analyte
Ethylene oxide (75-21-8)	_	3.83	7.66	_	Xylenes* (1330-20-7)	_	43.3	86.7	430	is not currently
					- · · ·		-	00.7	430	regulated by the regulations referenced above.
<u>Solvent</u> Acetonitrile		Synonym(s	-		<u>Solvent</u>		<b>ynonym(s)</b> ,2-Ethanediol			
		Methyl Cya			Ethylene glycol					
1-Butanol		n-Butanol,	5	001	Isobutane		-Methylpropa			
2-Butanol		sec-Butyl a		AT IZ	Isopropanol		-Propanol, IP/			
2-Butanone		Methyl ethy		IEK	Isopropyl Acetate		cetic acid iso		Г	
1,2-Dimethoxyethane		Monoglym			Methanol		fethyl alcoho	1		
2,3-Dimethylbutane		Neohexane			2-Methylbutane		opentane			
2,3-Dimethylbutane		Diisopropy	1		Methylene chloride		ichlorometha	ше		
N,N-Dimethylformamide		DMF			2-Methylpentane		ohexane	1		
Dimethysufoxide		DMSO		,	1-Pentanol		-Amyl alcoho			
2-Ethoxyethanol		Cellosolve,		101	1-Propanol		ropyl alcohol			
Ethyl ether		Diethyl eth	er, Ether		Tetrahydrofuran		HF			
Ethyl acetate		EtOAc			Tetramethylene sulfone		ulfolane			
Ethyl benzene		Phenyletha	ne		Xylene	D	imethylbenze	ene		

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

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**Deviations from SOP:** 

None

### **CERTIFICATE OF ANALYSIS (SAMPLE ID: SA35133)**

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#### Analysis Date/Time: 05/17/2023 1407 Analyst: KF

#### **PESTICIDES PROFILE (SOP: SOP-PEST-001)**

Method: LC/MS/MS Instrument: Shimadzu LC-8050

<u>Pesticide</u>	<u>Result</u> (µg/g)	<u>LOD</u> (µg/g)	<u>LOQ</u> (µg/g)	<u>Action</u> Level (µg/g)	<u>Pesticide</u>	<u>Result</u> (µg/g)	<u>LOD</u> (µg/g)	<u>LOQ</u> (µg/g)	<u>Action</u> Level (µg/g)	
Abamectin (71751-41-2)	-	0.0480	0.384	0.5	Kresoxim-methyl	-	0.0480	0.384	_	Energi 1 Tincture B Ritaga Santa Santa 17 a 0203-1 : angga
Acephate (30560-19-1)	-	0.0480	0.384	-	(143390-89-0)					KA460.com grant
Acequinocyl (57960-19-7)	-	0.0480	0.384	-	Malathion (121-75-5)	-	0.0480	0.384	0.2	
Acetamiprid (135410-20-7)	-	0.0480	0.384	-	Metalaxyl (57837-19-1) Methiocarb (2032-65-7)	-	0.0480 0.0480	0.384 0.384	-	<u>Color Key</u>
Aldicarb (116-06-3)	-	0.0480	0.384	-	Methomyl (16752-77-5)	-	0.0480	0.384	-	<b>RESULT</b> < AL
Azoxystrobin (131860-33-8)	-	0.0480	0.384	0.2	Methyl parathion (298-0-0)	-	0.0480	0.384	-	RESULT > AL
(191000 05 0) Bifenazate (149877-41-8)	_	0.0480	0.384	0.2	MGK 264 (113-48-4)	-	0.0480	0.384	-	"DET" detected less than LOQ
Bifenthrin (82657-04-3)	-	0.0480	0.384	-	Myclobutanil					
Boscalid (188425-85-6)	-	0.0480	0.384	-	(88671-89-0)	-	0.0480	0.384	0.2	"-" not detected above LOD
Carbaryl (63-25-2)	-	0.0480	0.384	-	Naled (300-76-5)	-	0.0480	0.384	-	
Carbofuran (1563-66-2)	-	0.0480	0.384	-	Oxamyl (23135-22-0)	-	0.0480	0.384	-	Permethrins measured as the cumulative residue of the <i>cis</i> - and
Chlorantraniliprole (800008-45-7)	-	0.0480	0.384	-	Paclobutrazol (76738-62-0)	-	0.0480	0.384	-	trans- permethrin isomers.
Chlorfenapyr					Permethrins (52645-53-1)	-	0.0480	0.384	0.2	Pyrethrins measured as the
(122453-73-0)	-	0.0480	0.384	-	Phosmet (732-11-6)	-	0.0480	0.384	-	cumulative residue of the pyrethrin I, cinerin I, and jasmolin
Chlorpyrifos (2921-88-2)	-	0.0480	0.384	-	Piperonyl butoxide	_	0.0480	0.384	_	I isomers.
Clofentezine (74115-24-5)	-	0.0480	0.384	-	(51-03-6)					Action levels are referenced from
Cyfluthrin (68359-37-5)	-	0.0480	0.384	-	Prallethrins (2331-36-9)	-	0.0480	0.384	-	the
Cypermethrin (52315-07-8)	-	0.0480	0.384	-	Propiconazole (60207-90-1))	-	0.0480	0.384	-	State of Oklahoma-Oral/Rectal/ Vaginal MMJ testing guidelines.
Daminozide (1596-84-5)	-	0.0480	0.384	-	Propoxur (114-26-1)	-	0.0480	0.384	-	A value of "-" for the action level
DDVP (62-73-7)	-	0.0480	0.384	-	Pyrethrins (8003-34-7)	-	0.0480	0.384	-	means that analyte is not
Diazinon (333-41-5)	-	0.0480	0.384	-	Pyridaben (96489-71-3)	-	0.0480	0.384	-	currently regulated by the
Dimethoate (60-51-5)	-	0.0480	0.384	-	Spinosad (168316-95-8)	-	0.0480	0.384	0.2	regulations referenced above.
Ethoprophos (13194-48-4)	-	0.0480	0.384	-	Spiromesifen	-	0.0480	0.384	0.2	Disclaimer: This information is
Etofenprox (80844-07-1)	-	0.0480	0.384	-	(283594-90-1)					provided as a service and makes no claims of efficacy and/or safety
Etoxazole (153233-91-1)	-	0.0480	0.384	0.2	Spirotetramat (203313-25-1)	-	0.0480	0.384	0.2	of this product. Results are
Fenoxycarb (72490-01-8)	-	0.0480	0.384	-	Spiroxamine		0.0400	0.004		applicable only for the sample(s)
(E)-Fenpyroximate (134098-61-6)	-	0.0480	0.384	-	(118134-30-8) Tebuconazole	-	0.0480	0.384	-	analyzed and for the specific analysis conducted. This report is for informational purposes only
Fipronil (120068-37-3)	-	0.0480	0.384	-	(80443-41-0)	-	0.0480	0.384	0.4	and should not be used to
Flonicamid (158062-67-0)	-	0.0480	0.384	-	Thiacloprid	_	0.0480	0.384	_	diagnose, treat, or prevent any
Fludioxinil (131341-86-1)	-	0.0480	0.384	-	(111988-49-9)		0.0400	0.504		medical-related symptoms. The statements and results herein have
Hexythiazox (78587-05-0)	-	0.0480	0.384	-	Thiamethoxam (153719-23-4)	-	0.0480	0.384	-	not been approved and/or
Imazalil (35554-44-0)		0.0480	0.384	0.2	(153719-23-4) Trifloxystrobin					endorsed by the FDA.
Imidacloprid (138261-41-3)	-	0.0480	0.384	0.4	(141517-21-7)	-	0.0480	0.384	-	

Abbreviations: LC - Liquid Chromatography, MS - Mass Spectrometry, RL - Reporting Limit, AL - Action Level, CAS - Chemical Abstract Services, LOD - Limit of Detection, LOQ - Limit of Quantification

Pesticide	<u>Synonym(s)</u>	Pesticide	<u>Synonym(s)</u>	Pesticide	Synonym(s)
Cyfluthrin	Baythroid	Myclobutanil	Systhane	Propiconazole	Tilt
DDVP	Dichlorvos	Naled	Dibrom	Propoxur	Baygon
Ethoprophos	Prophos	Phosmet	Imidan		



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Cultivar (Strain) or Sample D	Date Completed: 06/01/2023		

#### HEAVY METAL PROFILE (SOP: SOP-ICP-200.6)

Analysis Date/Time: 05/15/2023 1759 (ICP/OES) Analysis Date/Time: - (DMA) Analyst: KF		<b>Method:</b> ICP/MS <b>Instrument:</b> Agilent 7500ce		Deviations from SOP: ce None	
<u>Heavy Metal</u>	<u>Result</u> (µg/kg)	<u>LOD</u> (µg/kg)	<u>LOQ</u> (µg/kg)	<u>Action Level</u> (µg/kg)	
Arsenic (As)	-	59.8	94.7	1500	
Cadmium (Cd)	-	59.8	94.7	500	TAD!
Lead (Pb)	-	59.8	94.7	1000	Emeral 1 Tincture <sup>10</sup>
Mercury (Hg)	-	59.8	94.7	1500	in the second se

Abbreviations: ICP - Inductively-Coupled Plasma, OES - Optical Emission Spectroscopy,

DMA - Direct Mercury Analyzer, RL - Reporting Limit, AL - Action Level, LOD - Limit of Detection, LOQ - Limit of Quantitation



"DET" detected less than LOQ

"-" not detected above LOD

Action levels for heavy metals are referenced from the State of Oklahoma-Oral/Rectal/Vaginal MMJ testing guidelines.

*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.











**Deviations from SOP:** 

# **CERTIFICATE OF ANALYSIS (SAMPLE ID: SA35133)**

Testing Location:	Customer ID: 37	Sample ID: SA35133	Sample Type: Primary
Arkansas	Can-Tek Labs	Lot Number:	Matrix: Oil/Tincture
232 S. Broadview St.	8107 S I-35 Service Rd	0208-12	Mass: 30ml
Greenbrier, AR 72058	Oklahoma City, OK 73149	Batch Number:	Date Collected: 05/02/2023
License: ADA 05_H273	License: Not Entered or N/A	CTK-050223-01	Date Received: 05/08/2023
Cultivar (Strain) or Sample	Date Completed: 06/01/2023		

#### MICROBIOLOGICAL PROFILE (SOP: SOP-Micro-001)

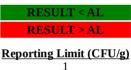
Analysis Date/Time: 05/17/2023 Analyst: PW		Method: Hardy Diagnostics CompactDry Instrument: Thermo Incubator			
Bacteria/Microbe	<u>Result</u> (CFU/g)	<u>Action Level</u> (CFU/g)			
Aerobic Plate Count	NT	-			
Coliforms, Total	Absent	-			
Escherichia Coli (E. Coli)	Absent	1	Err Err		
Mold/Yeast	Absent	10	412 1978 111		
Pseudomonas aeruginosa	NT	-	j. Ma		
Salmonella spp.	Absent	1	1		
Staphylococcus aureus	Absent	-			

Emeral 1 Tincture IV Brena 1 Tincture IV Brena

None

Abbreviations: EC - Escherichia Coli, CFU - Colony-Forming Unit, RL - Reporting Limit, AL - Action Level, TNTC - Too Numerous To Count, NT - Not Tested Absent - Not Detected Above RL, Present - Detected Above RL





Action levels for microbiology are referenced from the State of Oklahoma-Oral/Rectal/Vaginal MMJ testing guidelines. A value of "-" for the action level means that analyte is not currently regulated by the regulations referenced above.

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