

**SUMMARY OF ANALYSIS (SAMPLE ID: SA40949)**

<b>Testing Location:</b> Arkansas 232 S. Broadview St. Greenbrier, AR 72058 -	<b>Customer ID:</b> 37 Can-Tek Labs 8107 S I-35 Service Rd Oklahoma City, OK 73149 License: Not Entered or N/A	<b>Order ID:</b> OR11572 <b>Lot Number:</b> 042325-01 <b>Batch Number:</b> CTK-042325-01	<b>Sample Type:</b> Primary <b>Matrix:</b> Edible <b>Mass:</b> 5cnt <b>Date Collected:</b> 04/29/2025 <b>Date Received:</b> 04/29/2025
<b>Cultivar (Strain) or Sample Description:</b> Goodnight Grape			<b>Date Completed:</b> 05/09/2025

\*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.  
\*Where provided, statements of conformity (e.g. Pass/Fail) are made in accordance with ILAC G8, Binary Statement for Simple Acceptance Rule (w=0, AL=TL).  
PASS: when the result is within the acceptance interval. FAIL: when the result is outside the acceptance interval

**Moisture Content (%)**

Not Tested

**Water Activity (aw)**

Not Tested

**PASS/FAIL**

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.

<b>Cannabinoids (Top 3)</b>	<b>(%)</b>	<b>mg/g</b>
Δ9-THC	0.256	2.56
CBN	0.0277	0.277
CBD	0.0150	0.150
TOTAL CBD	0.0150	0.150
TOTAL THC	0.256	2.56
TOTAL CANNABINOIDS	0.299	2.99

<b>Terpenes (Top 5)</b>	<b>(%)</b>	<b>ppm</b>
α-Bisabolol		
Camphene		
δ-3-Carene		
β-Caryophyllene		
Caryophyllene oxide		
TOTAL TERPENES	-	-

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



Scan the QR code to verify results.

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*Kyle W. Felling*  
Kyle W. Felling, Ph.D.  
Laboratory Director



**CERTIFICATE OF ANALYSIS (SAMPLE ID: SA40949)**

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**Cultivar (Strain) or Sample Description:** Goodnight Grape **Date Completed:** 05/09/2025

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

**Analysis Date/Time:** 04/29/2025 2102 **Method:** HPLC/DAD **Moisture Content (%):** -  
**Analyst:** PW **Instrument:** Agilent 1100 **Water Activity (aw):** -

<u>Cannabinoid</u>	<u>Result (%)</u>	<u>Result (mg/g)</u>	<u>LOD (mg/g)</u>	<u>LOQ (mg/g)</u>	<u>Result (mg/mL)</u>	<u>Per Serving (mg)</u>	<u>Per Unit (mg)</u>
CBC	ND	ND	0.00225	0.00526	-	0.000	0.000
CBCA	ND	ND	0.00700	0.0163	-	0.000	0.000
CBD	0.0150	0.150	0.0159	0.0371	-	0.591	0.591
CBDa	ND	ND	0.00585	0.0137	-	0.000	0.000
CBDV	ND	ND	0.00255	0.00595	-	0.000	0.000
CBDVA	ND	ND	0.00680	0.0159	-	0.000	0.000
CBG	ND	ND	0.0103	0.0241	-	0.000	0.000
CBGA	ND	ND	0.0146	0.0173	-	0.000	0.000
CBL	ND	ND	0.0119	0.0278	-	0.000	0.000
CBN	0.0277	0.277	0.00548	0.0128	-	1.09	1.09
CBNA	ND	ND	0.00591	0.0138	-	0.000	0.000
Δ9-THC	0.256	2.56	0.00656	0.0153	-	10.1	10.1
Δ8-THC	ND	ND	0.0102	0.0239	-	0.000	0.000
THCA	ND	ND	0.00356	0.00832	-	0.000	0.000
THCV	ND	ND	0.00854	0.0199	-	0.000	0.000
THCVA	ND	ND	0.00273	0.00635	-	0.000	0.000
<b>TOTAL</b>	0.299	2.99			-	11.8	11.8
<b>TOTAL CBC</b>	0.000	0.000			-	0.000	0.000
<b>TOTAL CBD</b>	0.0150	0.150			-	0.591	0.591
<b>TOTAL CBDV</b>	0.000	0.000			-	0.000	0.000
<b>TOTAL CBG</b>	0.000	0.000			-	0.000	0.000
<b>TOTAL CBN</b>	0.0277	0.277			-	1.09	1.09
<b>TOTAL THC</b>	0.256	2.56			-	10.1	10.1
<b>TOTAL THCV</b>	0.000	0.000			-	0.000	0.000



**SERVING MASS (g):** 3.94  
**SERVINGS/UNIT:** 1

"-" Not reported for this sample.

*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.  
Dry percent = Wet percent / (1-(Moisture Content/100))

Total CBC = (CBCA x 0.877) + CBC  
Total CBD = (CBDa x 0.877) + CBD  
Total CBDV = (CBDVA x 0.867) + CBDV  
Total CBG = (CBGA x 0.878) + CBG  
Total CBN = (CBNA x 0.876) + CBN  
Total THC = (THCA x 0.877) + Δ9-THC  
Total THCV = (THCVA x 0.867) + THCV

Percentage results are reported by mass.

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

*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, ND - Not Detected (less than LOD)

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*Kyle W. Felling*  
Kyle W. Felling, Ph.D.  
Laboratory Director



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**Cultivar (Strain) or Sample Description:** Goodnight Grape **Date Completed:** 05/09/2025

**TERPENOID PROFILE**

**Analysis Date/Time:** 05/08/2025 1515  
**Analyst:** KF

**Method:** GC/MS  
**Instrument:** Agilent 7890/5975

**Deviations from SOP:**  
None

<u>Terpene</u>	<u>Result (ppm)</u>	<u>Result (%)</u>
α-Bisabolol	ND	-
Camphene	ND	-
δ-3-Carene	ND	-
β-Caryophyllene	ND	-
Caryophyllene oxide	ND	-
p-Cymene	ND	-
Eucalyptol	<LOQ	-
Geraniol	ND	-
Guaiol	ND	-
α-Humulene	ND	-
Isopulegol	ND	-
d-Limonene	ND	-
Linalool	ND	-
β-Myrcene	ND	-
cis-Nerolidol	ND	-
trans-Nerolidol	ND	-
α-Ocimene	ND	-
β-Ocimene	ND	-
α-Pinene	ND	-
β-Pinene	ND	-
α-Terpinene	ND	-
γ-Terpinene	ND	-
Terpinolene	ND	-
<b>TOTAL</b>	0.000	0.000



*Abbreviations:* GC - Gas Chromatography, MS - Mass Spectrometry, RL - Reporting Limit  
*Abbreviations:* ND - Not Detected, LOD - Limit of Detection, LOQ - Limit of Quantitation

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**Reporting Limit (ppm): 4.94**

"-" Not detected above LOD.

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**Cultivar (Strain) or Sample Description:** Goodnight Grape **Date Completed:** 05/09/2025

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

**Analysis Date/Time:** 05/08/2025 1506  
**Analyst:** KF

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

**Deviations from SOP:**  
None

Pesticide	Result (ppm)	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Pesticide	Result (ppm)	LOD (ppm)	LOQ (ppm)	Action Level (ppm)
Abamectin (71751-41-2)	-	0.00989	0.0791	0.5	Kresoxim-methyl (143390-89-0)	-	0.00989	0.0791	-
Acephate (30560-19-1)	-	0.00989	0.0791	-	Malathion (121-75-5)	-	0.00989	0.0791	0.2
Acequinocyl (57960-19-7)	-	0.00989	0.0791	-	Metalaxyl (57837-19-1)	-	0.00989	0.0791	-
Acetamiprid (135410-20-7)	-	0.00989	0.0791	-	Methiocarb (2032-65-7)	-	0.00989	0.0791	-
Aldicarb (116-06-3)	-	0.00989	0.0791	-	Methomyl (16752-77-5)	-	0.00989	0.0791	-
Azoxystrobin (131860-33-8)	-	0.00989	0.0791	0.2	Methyl parathion (298-0-0)	-	0.00989	0.0791	-
Bifenazate (149877-41-8)	-	0.00989	0.0791	0.2	MGK 264 (113-48-4)	-	0.00989	0.0791	-
Bifenthrin (82657-04-3)	-	0.00989	0.0791	-	Myclobutanil (88671-89-0)	-	0.00989	0.0791	0.2
Boscalid (188425-85-6)	-	0.00989	0.0791	-	Naled (300-76-5)	-	0.00989	0.0791	-
Carbaryl (63-25-2)	-	0.00989	0.0791	-	Oxamyl (23135-22-0)	-	0.00989	0.0791	-
Carbofuran (1563-66-2)	-	0.00989	0.0791	-	Pacllobutrazol (76738-62-0)	-	0.00989	0.0791	-
Chlorantraniliprole (800008-45-7)	-	0.00989	0.0791	-	Permethrins (52645-53-1)	-	0.00989	0.0791	0.2
Chlorfenapyr (122453-73-0)	-	0.00989	0.0791	-	Phosmet (732-11-6)	-	0.00989	0.0791	-
Chlorpyrifos (2921-88-2)	-	0.00989	0.0791	-	Piperonyl butoxide (51-03-6)	-	0.00989	0.0791	-
Clofentezine (74115-24-5)	-	0.00989	0.0791	-	Prallethrins (2331-36-9)	-	0.00989	0.0791	-
Cyfluthrin (68359-37-5)	-	0.00989	0.0791	-	Propiconazole (60207-90-1)	-	0.00989	0.0791	-
Cypermethrin (52315-07-8)	-	0.00989	0.0791	-	Propoxur (114-26-1)	-	0.00989	0.0791	-
Daminozide (1596-84-5)	-	0.00989	0.0791	-	Pyrethrins (8003-34-7)	-	0.00989	0.0791	-
DDVP (62-73-7)	-	0.00989	0.0791	-	Pyridaben (96489-71-3)	-	0.00989	0.0791	-
Diazinon (333-41-5)	-	0.00989	0.0791	-	Spinosad (168316-95-8)	-	0.00989	0.0791	0.2
Dimethoate (60-51-5)	-	0.00989	0.0791	-	Spiromesifen (283594-90-1)	-	0.00989	0.0791	0.2
Ethoprophos (13194-48-4)	-	0.00989	0.0791	-	Spirotetramat (203313-25-1)	-	0.00989	0.0791	0.2
Etofenprox (80844-07-1)	-	0.00989	0.0791	-	Spiroxamine (118134-30-8)	-	0.00989	0.0791	-
Ettoxazole (153233-91-1)	-	0.00989	0.0791	0.2	Tebuconazole (80443-41-0)	-	0.00989	0.0791	0.4
Fenoxycarb (72490-01-8)	-	0.00989	0.0791	-	Thiacloprid (111988-49-9)	-	0.00989	0.0791	-
(E)-Fenpyroximate (134098-61-6)	-	0.00989	0.0791	-	Thiamethoxam (153719-23-4)	-	0.00989	0.0791	-
Fipronil (120068-37-3)	-	0.00989	0.0791	-	Trifloxystrobin (141517-21-7)	-	0.00989	0.0791	-
Flonicamid (158062-67-0)	-	0.00989	0.0791	-					
Fludioxinil (131341-86-1)	-	0.00989	0.0791	-					
Hexythiazox (78587-05-0)	-	0.00989	0.0791	-					
Imazalil (35554-44-0)	-	0.00989	0.0791	0.2					
Imidacloprid (138261-41-3)	-	0.00989	0.0791	0.4					



**Color Key**

**RESULT < AL** (Green background)  
**RESULT > AL** (Red background)

"DET" detected less than LOQ  
"-." not detected above LOD  
Permethrins measured as the cumulative residue of the *cis*- and *trans*- permethrin isomers.  
Pyrethrins measured as the cumulative residue of the pyrethrin I, cinerin I, and jasmolin I isomers.  
Action levels 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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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	Synonym(s)	Pesticide	Synonym(s)	Pesticide	Synonym(s)
Cyfluthrin	Baythroid	Myclobutanil	Sythane	Propiconazole	Tilt
DDVP	Dichlorvos	Naled	Dibrom	Propoxur	Baygon
Ethoprophos	Prophos	Phosmet	Imidan		

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

**Analysis Date/Time:** 05/08/2025 1934 **Method:** ICP/MS **Deviations from SOP:**  
**Instrument:** Agilent 7700x None

**Analyst:** KF

<u>Heavy Metal</u>	<u>Result (ppb)</u>	<u>LOD (ppb)</u>	<u>LOQ (ppb)</u>	<u>Action Level (ppb)</u>
Arsenic (As)	ND	59.8	94.7	1500
Cadmium (Cd)	ND	59.8	94.7	500
Lead (Pb)	ND	59.8	94.7	1000
Mercury (Hg)	ND	59.8	94.7	1500



*Abbreviations:* ICP - Inductively-Coupled Plasma, MS - Mass Spectrometry, RL - Reporting Limit, AL - Action Level, LOD - Limit of Detection, LOQ - Limit of Quantitation

**Color Key**



"DET" detected less than LOQ

"ND" not detected above LOD

Reporting limit is 1/2 the action level of each analyte.

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

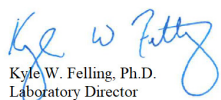
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<b>Cultivar (Strain) or Sample Description:</b> Goodnight Grape			<b>Date Completed:</b> 05/09/2025

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

**Analysis Date/Time:** 05/09/2025 0642      **Method:** Hardy Diagnostics CompactDry      **Deviations from SOP:**  
**Analyst:** PW      **Instrument:** Thermo Incubator      None

<u>Bacteria/Microbe</u>	<u>Result (CFU/g)</u>	<u>Action Level (CFU/g)</u>
Aerobic Plate Count	20	-
Coliforms, Total	Absent	-
Escherichia Coli (E. Coli)	Absent	1
Mold/Yeast	Absent	10
Pseudomonas aeruginosa	NT	-
Salmonella spp.	Absent	1
Staphylococcus aureus	Absent	-



**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

**Color Key**



**Reporting Limit (CFU/g)**  
1

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.

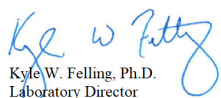
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