







## SUMMARY OF ANALYSIS (SAMPLE ID: SA35563)

Testing Location:	Customer ID: 2161	<b>Order ID:</b> OR10516	Sample Type: Primary
Arkansas	River Valley Relief Cultivation	Lot Number:	Matrix: Flower
232 S. Broadview St.	5601 Old Greenwood Rd Suite C	M00065C13135365004	Mass: 21g
Greenbrier, AR 72058	Fort Smith, AR 72903	Production Run:	Date Collected: 07/05/2023
License: ADH 113	License: 00065C	7035H20230519PBB-1	Date Received: 07/05/2023
Cultivar (Strain) or Sample De		Date Completed: 07/07/2023	

\*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 Arkansas MMJ testing guidelines.

Moisture Content (%)	Water Activity (aw)	PASS/FAIL
12.2	0.474 @ 24.5°C	PASS

Moisture content/water activity action levels are referenced from the State of Arkansas 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.

Cannabinoids (Top 3)	<u>(%)</u>	<u>mg</u> /g
THCA	18.6	186
Δ9-ТНС	0.275	2.75
CBGA	0.228	2.28
TOTAL CBD	-	-
TOTAL THC	16.6	166
TOTAL CANNABINOIDS	19.2	192
<u>Terpenes (Top 5)</u>	<u>(%)</u>	µg∕g
<u>Terpenes (Top 5)</u> β-Caryophyllene	<b>(%)</b> 0.126	<b>µg/g</b> 1260
β-Caryophyllene	0.126	1260
β-Caryophyllene d-Limonene	0.126 0.124	1260 1240
β-Caryophyllene d-Limonene β-Myrcene	0.126 0.124 0.0762	1260 1240 762

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





Scan the QR code to verify results.

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The statements and results herein have not been approved and/or endorsed by the FDA.



REPORT OF LABORATORY ANALYSIS

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License: ADH 113	License: 00065C	7035H20230519PBB-1	Date Received: 07/05/2023
Cultivar (Strain) or Sample Des	cription: Peanut Butter Breath		Date Completed: 07/07/2023

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

Analysis Date/Time: 07/06/2023 1258 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 Per Per (mg/ Serving Unit mL) (mg) (mg)</u>
CBC	ND	ND	0.0409	0.0953	
CBCA	ND	ND	0.127	0.296	
CBD	ND	ND	0.288	0.673	
CBDA	ND	ND	0.106	0.248	
CBDV	ND	ND	0.0462	0.108	
CBDVA	ND	ND	0.123	0.288	
CBG	ND	ND	0.187	0.437	
CBGA	0.228	2.28	0.265	0.313	- 2.00 2.00
CBL	ND	ND	0.216	0.505	
CBN	ND	ND	0.0993	0.232	
CBNA	ND	ND	0.107	0.250	
Δ9-ΤΗC	0.275	2.75	0.119	0.277	- 2.41 2.41
Δ8-THC	ND	ND	0.186	0.433	
THCA	18.6	186	0.0645	0.151	- 163 163
THCV	ND	ND	0.155	0.361	
THCVA	0.123	1.23	0.0495	0.115	- 1.08 1.08
TOTAL	19.2	192			- 169 169
TOTAL CBC	-	-		-	
TOTAL CBD	-	-			
TOTAL CBDV	-	-			
TOTAL CBG	0.200	2.00			- 1.76 1.76
TOTAL CBN	-	-			
TOTAL THC	16.6	166			- 145 145
TOTAL THCV	0.107	1.07			- 0.939 0.939

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 (%): 12.2 Water Activity (aw): 0.474 @ 24.5°C



SERVING MASS (g): 1.00 SERVINGS/UNIT: 1

"-" 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.

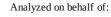
mg/g results are reported as mass component per mass material.

W. Felling, Ph.D. ory Dire











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Cultivar (Strain) or Sample Des	c <b>ription:</b> Peanut Butter Breath		Date Completed: 07/07/2023

Analysis Date/Time:07/06/2023 2101

TERPENOID PROFILE

Method: GC/MS

Analyst: KF		In	strument: Agilent 7890/5975	None
<u>Terpene</u>	<u>Result</u> (µg/g)	<u>Result</u> (%)		And Alle
α-Bisabolol	19.9	0.00199		Althing The
Camphene	62.4	0.00624		A MENAS
δ-3-Carene	-	-		1111111
β-Caryophyllene	1260	0.126		CARLES AND
Caryophyllene oxide	48.3	0.00483	T	MARIAN ELL
p-Cymene	-	-		AN AN ASTA
Eucalyptol	-	-		
Geraniol	-	-		
Guaiol	-	-		Abbanistiana CC Car
α-Humulene	331	0.0331		Abbreviations: GC - Gas Chromatography, MS - Mas Spectrometry, RL - Reportir
Isopulegol	-	-	_	This information is provide
d-Limonene Linalool	1240 237	0.124 0.0237		and makes no claims of effi- safety of this product.
β-Myrcene	762	0.0762	-	Results are applicable only
cis-Nerolidol	-	-	-	sample(s) analyzed and for analysis conducted.
trans-Nerolidol	-	-		This report is for information
α-Ocimene	41.4	0.00414		only and should not be used treat, or prevent any
β-Ocimene	402	0.0402		medical-related symptoms.
α-Pinene	344	0.0344	i i	The statements and results h not been approved and/or er
β-Pinene	319	0.0319	i	the FDA.
α-Terpinene	-	-		
γ-Terpinene	-	-		
Terpinolene	23.2	0.00232		"-" Not detected above RL.
TOTAL	5090	0.509		Reporting



**Deviations from SOP:** 

eviations: GC - Gas matography, MS - Mass trometry, RL - Reporting Limit

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lts are applicable only for the le(s) analyzed and for the specific sis conducted.

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tatements and results herein have een approved and/or endorsed by DA.





Reporting Limit (µg/g): 276







**Deviations from SOP:** 

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## **CERTIFICATE OF ANALYSIS (SAMPLE ID: SA35563)**

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License: ADH 113	License: 00065C	7035H20230519PBB-1	Date Received: 07/05/2023
Cultivar (Strain) or Sample D	Date Completed: 07/07/2023		

#### Analysis Date/Time: 07/06/2023 1333 . ....

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

Method: LC/MS/MS <u>.</u>... . . . . . .

Analyst: KF					Instrument: Shimadzu LC-8050		None			
<u>Pesticide</u>	<u>Result</u> (µg/g)	<u>LOD</u> (µg/g)	<u>LOQ</u> (µg/g)	<u>Action</u> Level (µg/g)	Pesticide	<u>Result</u> (µg/g)	LOD (µg/g)	<u>LOQ</u> (µg/g)	<u>Action</u> <u>Level</u> (µg/g)	and the
Abamectin (71751-41-2)	-	0.0448	0.358	0.5	Kresoxim-methyl	_	0.0448	0.358	0.4	STATE AND
Acephate (30560-19-1)	-	0.0448	0.358	0.4	(143390-89-0)					
Acequinocyl (57960-19-7)	-	0.0448	0.358	2	Malathion (121-75-5)	-	0.0448	0.358	0.2	
Acetamiprid (135410-20-7)	-	0.0448	0.358	0.2	Metalaxyl (57837-19-1) Methiocarb (2032-65-7)	-	0.0448 0.0448	0.358 0.358	0.2 0.2	Color Key
(133410-20-7) Aldicarb (116-06-3)	_	0.0448	0.358	0.4	Methomyl (16752-77-5)	-	0.0448	0.358	0.2	
Azoxystrobin (131860-33-8)	-	0.0448	0.358	0.2	Methyl parathion (298-0-0)	-	0.0448	0.358	0.2	RESULT < AL RESULT > AL
Bifenazate (149877-41-8)	-	0.0448	0.358	0.2	MGK 264 (113-48-4)	-	0.0448	0.358	0.2	"DET" detected less than LOQ
Bifenthrin (82657-04-3)	-	0.0448	0.358	0.2	Myclobutanil		0.0448	0.358	0.2	"-" not detected above
Boscalid (188425-85-6)	-	0.0448	0.358	0.4	(88671-89-0)	-	0.0440	0.330	0.2	LOD
Carbaryl (63-25-2)	-	0.0448	0.358	0.2	Naled (300-76-5)	-	0.0448	0.358	0.5	
Carbofuran (1563-66-2)	-	0.0448	0.358	0.2	Oxamyl (23135-22-0)	-	0.0448	0.358	1	Permethrins measured as the cumulative residue of the <i>cis</i> - and
Chlorantraniliprole (800008-45-7)	-	0.0448	0.358	0.2	Paclobutrazol (76738-62-0)	-	0.0448	0.358	0.4	trans- permethrin isomers.
Chlorfenapyr		0.0448	0.358	1	Permethrins (52645-53-1)	-	0.0448	0.358	0.2	Pyrethrins measured as the cumulative residue of the
(122453-73-0)	-	0.0440	0.350	1	Phosmet (732-11-6)	-	0.0448	0.358	0.2	pyrethrin I, cinerin I, and jasmolin
Chlorpyrifos (2921-88-2)	-	0.0448	0.358	0.2	Piperonyl butoxide	_	0.0448	0.358	2	I isomers.
Clofentezine (74115-24-5)	-	0.0448	0.358	0.2	(51-03-6)		0.0440	0.050	0.2	Action levels are referenced from
Cyfluthrin (68359-37-5)	-	0.0448	0.358	1	Prallethrins (2331-36-9)	-	0.0448	0.358	0.2	the
Cypermethrin (52315-07-8)	-	0.0448	0.358	1	Propiconazole (60207-90-1))	-	0.0448	0.358	0.4	State of Arkansas MMJ testing guidelines.
Daminozide (1596-84-5)	-	0.0448	0.358	1	Propoxur (114-26-1)	-	0.0448	0.358	0.2	A value of "-" for the action level
DDVP (62-73-7)	-	0.0448	0.358	0.1	Pyrethrins (8003-34-7)	-	0.0448	0.358	1	means that analyte is not
Diazinon (333-41-5)	-	0.0448	0.358	0.2	Pyridaben (96489-71-3)	-	0.0448	0.358	0.2	currently regulated by the regulations referenced above.
Dimethoate (60-51-5)	-	0.0448	0.358	0.2	Spinosad (168316-95-8)	-	0.0448	0.358	0.2	regulations referenced above.
Ethoprophos (13194-48-4)	-	0.0448	0.358	0.2	Spiromesifen (283594-90-1)	-	0.0448	0.358	0.2	Disclaimer: This information is
Etofenprox (80844-07-1)	-	0.0448	0.358	0.4	Spirotetramat					provided as a service and makes no claims of efficacy and/or safety
Etoxazole (153233-91-1)	-	0.0448	0.358	0.2	(203313-25-1)	-	0.0448	0.358	0.2	of this product. Results are
Fenoxycarb (72490-01-8)	-	0.0448	0.358	0.2	Spiroxamine		0.0448	0.358	0.4	applicable only for the sample(s)
(E)-Fenpyroximate (134098-61-6)	-	0.0448	0.358	0.4	(118134-30-8) Tebuconazole					analyzed and for the specific analysis conducted. This report is for informational purposes only
Fipronil (120068-37-3)	-	0.0448	0.358	0.4	(80443-41-0)	-	0.0448	0.358	0.4	and should not be used to
Flonicamid (158062-67-0)	-	0.0448	0.358	1	Thiacloprid	_	0.0448	0.358	0.2	diagnose, treat, or prevent any medical-related symptoms. The
Fludioxinil (131341-86-1)	-	0.0448	0.358	0.4	(111988-49-9)			2.200		statements and results herein have
Hexythiazox (78587-05-0)	-	0.0448	0.358	1	Thiamethoxam (153719-23-4)	-	0.0448	0.358	0.2	not been approved and/or
Imazalil (35554-44-0)	-	0.0448	0.358	0.2	Trifloxystrobin					endorsed by the FDA.
Imidacloprid (138261-41-3)	-	0.0448	0.358	0.4	(141517-21-7)	-	0.0448	0.358	0.2	

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** Cyfluthrin Myclobutanil Baythroid Systhane Propiconazole DDVP Dichlorvos Naled Dibrom Propoxur Ethoprophos Prophos Phosmet Imidan



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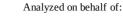
Synonym(s)

Tilt

Baygon









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

Analysis Date/Time: 07/07/2023 1303 (ICP/OES) Analysis Date/Time: - (DMA) Analyst: KF			<b>Method:</b> ICP/MS <b>Instrument:</b> Agilent 7500ce		<b>Deviations from SOP:</b> e 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)	-	58.3	92.2	200	AND A CONTRACTOR
Cadmium (Cd)	-	58.3	92.2	200	
Lead (Pb)	-	58.3	92.2	500	
Mercury (Hg)	-	58.3	92.2	100	

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

<u>Color Key</u>



"DET" detected less than LOQ

"-" not detected above LOD

Action levels for heavy metals are referenced from the State of Arkansas MMJ testing guidelines.

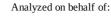
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#### MICROBIOLOGICAL PROFILE (SOP: SOP-Micro-001)

Analysis Date/Time: 07/06/20 Analyst: PW		<b>hod:</b> Hardy Diagnostics CompactDry <b>rument:</b> Thermo Incubator	<b>Deviations from SOP:</b> None
Bacteria/Microbe	<u>Result</u> (CFU/g)	<u>Action Level</u> (CFU/g)	
Aerobic Plate Count	NT	-	ANTA TOM
Coliforms, Total	Absent	1	
Escherichia Coli (E. Coli)	Absent	100	201 202
Mold/Yeast	NT	-	Chef David Harrison
Pseudomonas aeruginosa	NT	-	MX/Soc F Last
Salmonella spp.	NT	-	
Staphylococcus aureus	NT	-	

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





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Action levels for microbiology are referenced from the State of Arkansas 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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