Sample Type: Primary

Matrix: Flower









SUMMARY OF ANALYSIS (SAMPLE ID: SA37864)

Order ID: OR11003 **Testing Location:** Customer ID: 2161 Arkansas River Valley Relief Cultivation Lot Number: 232 S. Broadview St. 5601 Old Greenwood Rd Suite C M00065C13137050111

Greenbrier, AR 72058 Fort Smith, AR 72903 **Production Run:** 6062H20240422PBB-2 License: ADH 113 License: 00065C Cultivar (Strain) or Sample Description: Peanut Butter Breath

Mass: 23g **Date Collected:** 05/13/2024

Date Received: 05/13/2024 **Date Completed:** 05/15/2024

*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

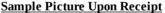
> PASS/FAIL **Moisture Content (%)** Water Activity (aw) 0.467 @ 24.4°C **PASS** 13.1

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.

| <u>Cannabinoids (</u> | Гор 3) | <u>(%)</u> | mg/g |
|-----------------------|----------------|---------------|-----------------|
| THCA | | 21.9 | 219 |
| Δ9-ТНС | | 0.321 | 3.21 |
| CBGA | | 0.283 | 2.83 |
| TOTAL CB | D | - | - |
| TOTAL TH | C | 19.5 | 195 |
| TOTAL CANNAE | INOIDS | 22.9 | 229 |
| <u>Terpenes (To</u> | <u>p 5)</u> | <u>(%)</u> | µg/g |
| β-Caryophyllene | | 0.490 | 4900 |
| d-Limonene | | 0.380 | 3800 |
| β-Myrcene | β-Myrcene | | 2490 |
| α-Humulene | | 0.176 | 1760 |
| Linalool | | 0.109 | 1090 |
| TOTAL TERPI | TOTAL TERPENES | | 18400 |
| Contaminants | PASS/FAIL | Sample Pictur | re Upon Receipt |

| Contaminants | PASS/FAIL |
|---------------------|-----------|
| Heavy Metals: | PASS |
| Microbiology: | PASS |
| Pesticides: | PASS |







Scan the QR code to verify results.

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CERTIFICATE OF ANALYSIS (SAMPLE ID: SA37864)

Testing Location:Customer ID: 2161Order ID: OR11003Sample Type: PrimaryArkansasRiver Valley Relief CultivationLot Number:Matrix: Flower232 S. Broadview St.5601 Old Greenwood Rd Suite CM00065C13137050111Mass: 23g

Greenbrier, AR 72058 Fort Smith, AR 72903 **Production Run: Date Collected:** 05/13/2024 License: ADH 113 License: 00065C 6062H20240422PBB-2 **Date Received:** 05/13/2024

Cultivar (Strain) or Sample Description: Peanut Butter Breath **Date Completed:** 05/15/2024

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

Analysis Date/Time: 05/14/2024 1605 Method: HPLC/DAD Moisture Content (%): 13.1

Analyst: PW Instrument: Agilent 1100 Water Activity (aw): 0.467 @ 24.4°C

| <u>Cannabinoid</u> | Result (%) | Result (mg/g) | LOD (mg/g) | LOQ (mg/g) | Result (mg/ mL) | Per Serving (mg) | Per Unit (mg) |
|--------------------|---------------|------------------|---------------|---------------|-----------------------|------------------------|---------------------|
| CBC | ND | ND | 0.0439 | 0.103 | - | - | - |
| CBCA | ND | ND | 0.136 | 0.318 | - | - | - |
| CBD | ND | ND | 0.310 | 0.723 | - | - | - |
| CBDA | ND | ND | 0.114 | 0.266 | - | - | - |
| CBDV | ND | ND | 0.0497 | 0.116 | - | - | - |
| CBDVA | ND | ND | 0.133 | 0.310 | - | - | - |
| CBG | ND | ND | 0.201 | 0.470 | - | - | - |
| CBGA | 0.283 | 2.83 | 0.285 | 0.336 | - | 2.46 | 2.46 |
| CBL | 0.219 | 2.19 | 0.232 | 0.543 | - | 1.91 | 1.91 |
| CBN | ND | ND | 0.107 | 0.249 | - | - | - |
| CBNA | ND | ND | 0.115 | 0.269 | - | - | - |
| Δ9-ΤΗС | 0.321 | 3.21 | 0.128 | 0.298 | - | 2.79 | 2.79 |
| Δ8-ΤΗС | ND | ND | 0.200 | 0.466 | - | - | - |
| THCA | 21.9 | 219 | 0.0694 | 0.162 | - | 190 | 190 |
| THCV | ND | ND | 0.167 | 0.388 | - | - | - |
| THCVA | 0.191 | 1.91 | 0.0532 | 0.124 | - | 1.66 | 1.66 |
| TOTAL | 22.9 | 229 | | , | _ | 199 | 199 |
| TOTAL CBC | - | - | | , | | _ | - |
| TOTAL CBD | - | - | | | - | - | - |
| TOTAL CBDV | - | - | | | - | - | - |
| TOTAL CBG | 0.248 | 2.48 | | | - | 2.16 | 2.16 |
| TOTAL CBN | - | - | | | - | - | - |
| TOTAL THC | 19.5 | 195 | | | - | 169 | 169 |
| TOTAL THCV | 0.165 | 1.65 | | | - | 1.44 | 1.44 |

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

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.

 $\begin{aligned} & \text{Total CBC} = (\text{CBCA} \times 0.877) + \text{CBC} \\ & \text{Total CBD} = (\text{CBDA} \times 0.877) + \text{CBD} \\ & \text{Total CBDV} = (\text{CBDVA} \times 0.867) + \text{CBDV} \\ & \text{Total CBG} = (\text{CBGA} \times 0.878) + \text{CBG} \\ & \text{Total CBN} = (\text{CBNA} \times 0.876) + \text{CBN} \\ & \text{Total THC} = (\text{THCA} \times 0.877) + \Delta 9 - \text{THC} \\ & \text{Total THCV} = (\text{THCVA} \times 0.867) + \text{THCV} \end{aligned}$

Percentage results are reported by mass.

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





[&]quot;-" Not detected above LOD.



License: ADH 113

Terpene

α-Bisabolol

Camphene

δ-3-Carene

Eucalyptol

α-Humulene

Isopulegol

Linalool

β-Myrcene

cis-Nerolidol

α-Ocimene

β-Ocimene

α-Pinene

B-Pinene

α-Terpinene

y-Terpinene

Terpinolene

TOTAL

trans-Nerolidol

d-Limonene

Geraniol

Guaiol

oxide p-Cymene

β-Caryophyllene

Caryophyllene







CERTIFICATE OF ANALYSIS (SAMPLE ID: SA37864)

Testing Location: Customer ID: 2161 Arkansas River Valley Relief Cultivation 232 S. Broadview St. 5601 Old Greenwood Rd Suite C Greenbrier, AR 72058 Fort Smith, AR 72903

Cultivar (Strain) or Sample Description: Peanut Butter Breath

Result

 $(\mu g/g)$

637

134

ND

4900

138

ND

ND

55.0

990

1760

ND

3800

1090

2490

ND

ND

<LOQ

630

812

985

ND

ND

<LOQ

18400

License: 00065C

Order ID: OR11003 Lot Number: M00065C13137050111

Production Run: 6062H20240422PBB-2 Sample Type: Primary

Matrix: Flower **Mass:** 23g

Date Collected: 05/13/2024 **Date Received:** 05/13/2024

Date Completed: 05/15/2024

TERPENOID PROFILE

Analysis Date/Time:05/14/2024 1905 Method: GC/MS **Analyst: KF**

> Result <u>(%)</u>

0.0637

0.0134

0.490

0.0138

0.00550

0.0990

0.176

0.380

0.109

0.249

0.0630

0.0812

0.0985

1.84

Instrument: Agilent 7890/5975

Deviations from SOP:

None



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 (µg/g): 48.2

"-" Not detected above LOD.





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05/15/2024



Cultivar (Strain) or Sample Description: Peanut Butter Breath







CERTIFICATE OF ANALYSIS (SAMPLE ID: SA37864)

Testing Location:Customer ID: 2161Order ID: OR11003Sample Type: PrimaryArkansasRiver Valley Relief CultivationLot Number:Matrix: Flower

232 S. Broadview St. 5601 Old Greenwood Rd Suite C M00065C13137050111 Mass: 23g

 Greenbrier, AR 72058
 Fort Smith, AR 72903
 Production Run:
 Date Collected: 05/13/2024

 License: ADH 113
 License: 00065C
 6062H20240422PBB-2
 Date Received: 05/13/2024

PESTICIDES PROFILE (SOP: SOP-PEST-001)

Analysis Date/Time: 05/14/2024 1739 **Method:** LC/MS/MS **Deviations from SOP:**

Analyst: KF Instrument: Shimadzu LC-8050 None

| <u>Pesticide</u> | Result (µg/g) | <u>LOD</u> (µg/g) | LOQ (µg/g) | <u>Action</u> <u>Level</u> (μg/g) | Pesticide | Result (µg/g) | <u>LOD</u> (µg/g) | <u>LOQ</u> (µg/g) | <u>Action</u> <u>Level</u> (μg/g) |
|------------------------------------|------------------|----------------------|---------------|---|--|------------------|----------------------|----------------------|---|
| Abamectin (71751-41-2) | - | 0.0479 | 0.383 | 0.5 | Kresoxim-methyl | _ | 0.0479 | 0.383 | 0.4 |
| Acephate (30560-19-1) | - | 0.0479 | 0.383 | 0.4 | (143390-89-0) | | | | |
| Acequinocyl (57960-19-7) | - | 0.0479 | 0.383 | 2 | Malathion (121-75-5) | - | 0.0479 | 0.383 | 0.2 |
| Acetamiprid (135410-20-7) | - | 0.0479 | 0.383 | 0.2 | Metalaxyl (57837-19-1) Methiocarb (2032-65-7) | - | 0.0479 0.0479 | 0.383 0.383 | 0.2 0.2 |
| Aldicarb (116-06-3) | - | 0.0479 | 0.383 | 0.4 | Methomyl (16752-77-5) | - | 0.0479 | 0.383 | 0.4 |
| Azoxystrobin (131860-33-8) | - | 0.0479 | 0.383 | 0.2 | Methyl parathion (298-0-0) | - | 0.0479 | 0.383 | 0.2 |
| Bifenazate (149877-41-8) | - | 0.0479 | 0.383 | 0.2 | MGK 264 (113-48-4) | - | 0.0479 | 0.383 | 0.2 |
| Bifenthrin (82657-04-3) | - | 0.0479 | 0.383 | 0.2 | Myclobutanil | | 0.0479 | 0.383 | 0.2 |
| Boscalid (188425-85-6) | - | 0.0479 | 0.383 | 0.4 | (88671-89-0) | _ | 0.0479 | | 0.2 |
| Carbaryl (63-25-2) | - | 0.0479 | 0.383 | 0.2 | Naled (300-76-5) | - | 0.0479 | 0.383 | 0.5 |
| Carbofuran (1563-66-2) | - | 0.0479 | 0.383 | 0.2 | Oxamyl (23135-22-0) | - | 0.0479 | 0.383 | 1 |
| Chlorantraniliprole (800008-45-7) | - | 0.0479 | 0.383 | 0.2 | Paclobutrazol (76738-62-0) | - | 0.0479 | 0.383 | 0.4 |
| Chlorfenapyr | | 0.0470 | 0.202 | | Permethrins (52645-53-1) | - | 0.0479 | 0.383 | 0.2 |
| (122453-73-0) | - | 0.0479 | 0.383 | 1 | Phosmet (732-11-6) | - | 0.0479 | 0.383 | 0.2 |
| Chlorpyrifos (2921-88-2) | - | 0.0479 | 0.383 | 0.2 | Piperonyl butoxide | _ | 0.0479 | 0.383 | 2 |
| Clofentezine (74115-24-5) | - | 0.0479 | 0.383 | 0.2 | (51-03-6) | | 0.0470 | 0.202 | 0.0 |
| Cyfluthrin (68359-37-5) | - | 0.0479 | 0.383 | 1 | Prallethrins (2331-36-9) | - | 0.0479 | 0.383 | 0.2 |
| Cypermethrin (52315-07-8) | - | 0.0479 | 0.383 | 1 | Propiconazole (60207-90-1)) | - | 0.0479 | 0.383 | 0.4 |
| Daminozide (1596-84-5) | - | 0.0479 | 0.383 | 1 | Propoxur (114-26-1) | - | 0.0479 | 0.383 | 0.2 |
| DDVP (62-73-7) | - | 0.0479 | 0.383 | 0.1 | Pyrethrins (8003-34-7) | - | 0.0479 | 0.383 | 1 |
| Diazinon (333-41-5) | - | 0.0479 | 0.383 | 0.2 | Pyridaben (96489-71-3) | - | 0.0479 | 0.383 | 0.2 |
| Dimethoate (60-51-5) | - | 0.0479 | 0.383 | 0.2 | Spinosad (168316-95-8) | - | 0.0479 | 0.383 | 0.2 |
| Ethoprophos (13194-48-4) | - | 0.0479 | 0.383 | 0.2 | Spiromesifen (283594-90-1) | - | 0.0479 | 0.383 | 0.2 |
| Etofenprox (80844-07-1) | - | 0.0479 | 0.383 | 0.4 | Spirotetramat | | | | |
| Etoxazole (153233-91-1) | - | 0.0479 | 0.383 | 0.2 | (203313-25-1) | - | 0.0479 | 0.383 | 0.2 |
| Fenoxycarb (72490-01-8) | - | 0.0479 | 0.383 | 0.2 | Spiroxamine | | 0.0479 | 0.383 | 0.4 |
| (E)-Fenpyroximate (134098-61-6) | - | 0.0479 | 0.383 | 0.4 | (118134-30-8) Tebuconazole | | 0.0479 | 0.383 | 0.4 |
| Fipronil (120068-37-3) | - | 0.0479 | 0.383 | 0.4 | (80443-41-0) | _ | 0.0479 | 0.303 | 0.4 |
| Flonicamid (158062-67-0) | - | 0.0479 | 0.383 | 1 | Thiacloprid | | 0.0479 | 0.383 | 0.2 |
| Fludioxinil (131341-86-1) | - | 0.0479 | 0.383 | 0.4 | (111988-49-9) | | | | |
| Hexythiazox (78587-05-0) | - | 0.0479 | 0.383 | 1 | Thiamethoxam (153719-23-4) | - | 0.0479 | 0.383 | 0.2 |
| Imazalil (35554-44-0) | - | 0.0479 | 0.383 | 0.2 | Trifloxystrobin | | 00:-0 | 0.000 | |
| Imidacloprid (138261-41-3) | - | 0.0479 | 0.383 | 0.4 | (141517-21-7) | | 0.0479 | 0.383 | 0.2 |



Color Key

Date Completed: 05/15/2024

RESULT < AL

"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 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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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

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





Mass: 23g







M00065C13137050111



CERTIFICATE OF ANALYSIS (SAMPLE ID: SA37864)

Testing Location:Customer ID: 2161Order ID: OR11003Sample Type: PrimaryArkansasRiver Valley Relief CultivationLot Number:Matrix: Flower

Greenbrier, AR 72058 Fort Smith, AR 72903 **Production Run:** Date Collected: 05/13/2024 License: ADH 113 License: 00065C 6062H20240422PBB-2 Date Received: 05/13/2024

Cultivar (Strain) or Sample Description: Peanut Butter Breath **Date Completed:** 05/15/2024

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

Analysis Date/Time: 05/14/2024 1721 (ICP/OES) Method: ICP/MS Deviations from SOP:

Analysis Date/Time: - (DMA) Instrument: Agilent 7500ce None

5601 Old Greenwood Rd Suite C

Analyst: KF

232 S. Broadview St.

| <u>Heavy Metal</u> | <u>Result</u> (μg/kg) | <u>LOD</u> (µg/kg) | LOQ (µg/kg) | <u>Action Level</u> (μg/kg) |
|--------------------|--------------------------|-----------------------|----------------|--------------------------------|
| Arsenic (As) | - | 59.0 | 93.4 | 200 |
| Cadmium (Cd) | - | 59.0 | 93.4 | 200 |
| Lead (Pb) | - | 59.0 | 93.4 | 500 |
| Mercury (Hg) | - | 59.0 | 93.4 | 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

Color Key

RESULT < AL RESULT > AL

"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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License: ADA 05 H273





6062H20240422PBB-2



Date Received: 05/13/2024

CERTIFICATE OF ANALYSIS (SAMPLE ID: SA37864)

Testing Location:Customer ID: 2161Sample ID: SA37864Sample Type: PrimaryArkansasRiver Valley Relief CultivationLot Number:Matrix: Flower

232 S. Broadview St. 5601 Old Greenwood Rd Suite C M00065C13137050111 Mass: 23g
Greenbrier, AR 72058 Fort Smith, AR 72903 Production Run: Date Collected: 05/13/2024

Cultivar (Strain) or Sample Description: Peanut Butter Breath

Date Completed: 05/15/2024

MICROBIOLOGICAL PROFILE (SOP: SOP-Micro-001)

Analysis Date/Time: 05/14/2024 1409 Method: Hardy Diagnostics CompactDry Deviations from SOP:

Analyst: PW Instrument: Thermo Incubator None

| Bacteria/Microbe | <u>Result</u> (CFU/g) | Action Level (CFU/g) |
|----------------------------|--------------------------|-------------------------|
| Aerobic Plate Count | NT | - |
| Coliforms, Total | Absent | 1 |
| Escherichia Coli (E. Coli) | Absent | 100 |
| Mold/Yeast | NT | - |
| Pseudomonas aeruginosa | NT | - |
| Salmonella spp. | NT | - |
| Staphylococcus aureus | NT | - |

License: 00065C



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

RESULT > AL

Reporting Limit (CFU/g)

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