

SUMMARY OF ANALYSIS (SAMPLE ID: SA37575)

Testing Location:	Customer ID: 2168	Order ID: OR10943	Sample Type: Primary
Arkansas	River Valley Relief MIPS	Lot Number:	Matrix: Concentrate
232 S. Broadview St.	5601 Old Greenwood Rd Suite C	M00065C13249795642	Mass: 4units
Greenbrier, AR 72058	Fort Smith, AR 72903	Production Run:	Date Collected: 04/05/2024
License: ADH 113	License: 00065C	E20240404BNZLB03	Date Received: 04/07/2024
Cultivar (Strain) or Sample Description: Banana Zoap Indica Hybrid Live Badder			Date Completed: 04/09/2024

*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.

Moisture Content (%)

Not Tested

Water Activity (aw)

Not Tested

PASS/FAIL

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)	(%)	mg/g
THCA	72.0	720
CBGA	6.03	60.3
Δ9-THC	1.42	14.2
TOTAL CBD	0.0880	0.880
TOTAL THC	64.6	646
TOTAL CANNABINOIDS	80.7	807

Terpenes (Top 5)	(%)	µg/g
β-Caryophyllene	4.46	44600
d-Limonene	3.60	36000
β-Myrcene	1.84	18400
α-Humulene	1.08	10800
Linalool	1.02	10200
TOTAL TERPENES	13.8	138000

Contaminants	PASS/FAIL
Heavy Metals:	PASS
Microbiology:	PASS
Pesticides:	PASS
Residual Solvents:	PASS

Sample Picture Upon Receipt



Scan the QR code to verify results.

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www.FASTLaboratories.com

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



CERTIFICATE OF ANALYSIS (SAMPLE ID: SA37575)

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License: ADH 113	License: 00065C	E20240404BNZLB03	Date Received: 04/07/2024

Cultivar (Strain) or Sample Description: Banana Zoap Indica Hybrid Live Badder **Date Completed:** 04/09/2024

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

Analysis Date/Time: 04/08/2024 1417

Method: HPLC/DAD

Moisture Content (%): -

Analyst: PW

Instrument: Agilent 1100

Water Activity (aw): -

<u>Cannabinoid</u>	<u>Result</u> (%)	<u>Result</u> (mg/g)	<u>LOD</u> (mg/g)	<u>LOQ</u> (mg/g)	<u>Result</u> (mg/ mL)	<u>Per</u> <u>Serving</u> (mg)	<u>Per</u> <u>Unit</u> (mg)
CBC	ND	ND	0.111	0.260	-	-	-
CBCA	ND	ND	0.346	0.806	-	-	-
CBD	ND	ND	0.785	1.83	-	-	-
CBDV	0.100	1.00	0.289	0.675	-	1.00	1.00
CBDVA	ND	ND	0.126	0.294	-	-	-
CBDVA	ND	ND	0.336	0.784	-	-	-
CBG	0.545	5.45	0.510	1.19	-	5.45	5.45
CBGA	6.03	60.3	0.722	0.852	-	60.3	60.3
CBL	ND	ND	0.589	1.37	-	-	-
CBN	ND	ND	0.270	0.632	-	-	-
CBNA	ND	ND	0.292	0.680	-	-	-
Δ9-THC	1.42	14.2	0.324	0.756	-	14.2	14.2
Δ8-THC	ND	ND	0.506	1.18	-	-	-
THCA	72.0	720	0.176	0.411	-	720	720
THCV	ND	ND	0.422	0.983	-	-	-
THCVA	0.548	5.48	0.135	0.313	-	5.48	5.48
TOTAL	80.7	807			-	807	807
TOTAL CBC	-	-			-	-	-
TOTAL CBD	0.0880	0.880			-	0.880	0.880
TOTAL CBDV	-	-			-	-	-
TOTAL CBG	5.84	58.4			-	58.4	58.4
TOTAL CBN	-	-			-	-	-
TOTAL THC	64.6	646			-	646	646
TOTAL THCVA	0.475	4.75			-	4.75	4.75



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 x 0.877) + CBC
Total CBD = (CBDV 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 THCVA = (THCVA x 0.867) + THCVA

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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Percentage results are reported by mass.

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

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Laboratory Director



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Cultivar (Strain) or Sample Description: Banana Zoap Indica Hybrid Live Badder			Date Completed: 04/09/2024

TERPENOID PROFILE

Analysis Date/Time: 04/08/2024 1659

Method: GC/MS

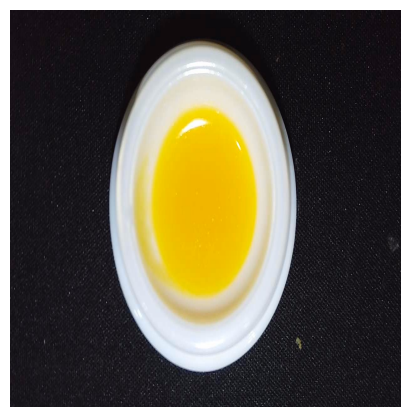
Deviations from SOP:

Analyst: KF

Instrument: Agilent 7890/5975

None

Terpene	Result (µg/g)	Result (%)	
α-Bisabolol	ND	-	
Camphene	ND	-	
δ-3-Carene	ND	-	
β-Caryophyllene	44600	4.46	
Caryophyllene oxide	ND	-	
p-Cymene	ND	-	
Eucalyptol	ND	-	
Geraniol	ND	-	
Guaiol	3950	0.395	
α-Humulene	10800	1.08	
Isopulegol	ND	-	
d-Limonene	36000	3.60	
Linalool	10200	1.02	
β-Myrcene	18400	1.84	
cis-Nerolidol	ND	-	
trans-Nerolidol	4280	0.428	
α-Ocimene	1910	0.191	
β-Ocimene	ND	-	
α-Pinene	2590	0.259	
β-Pinene	5690	0.569	
α-Terpinene	ND	-	
γ-Terpinene	ND	-	
Terpinolene	ND	-	
TOTAL	138000	13.8	



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): 48.8

"-" Not detected above LOD.

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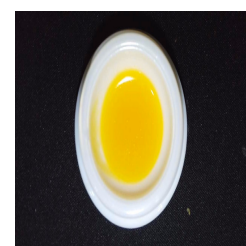
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RESIDUAL SOLVENT PROFILE (SOP: SOP-RS-001)

Analysis Date/Time: 04/07/2024 1921	Method: HS/GC/MS	Deviations from SOP:
Analyst: KF	Instrument: Agilent 7890/5975	None

<u>Solvent</u>	<u>Result</u> (µg/g)	<u>LOD</u> (µg/g)	<u>LOQ</u> (µg/g)	<u>Action Level</u> (µg/g)	<u>Solvent</u>	<u>Result</u> (µg/g)	<u>LOD</u> (µg/g)	<u>LOQ</u> (µg/g)	<u>Action Level</u> (µg/g)
Acetone (67-64-1)	-	81.7	163	5000	n-Heptane (142-82-5)	-	81.7	163	5000
Acetonitrile (75-5-8)	-	81.7	163	410	n-Hexane (110-54-3)	-	28.6	57.2	290
Benzene (71-43-2)	-	0.817	1.63	2	Isobutane (75-28-5)	-	81.7	163	5000
n-Butane (106-97-2)	-	81.7	163	5000	Isopropanol (67-63-0)	-	81.7	163	5000
1-Butanol (71-36-3)	-	81.7	163	5000	Isopropyl acetate (108-21-4)	-	81.7	163	5000
2-Butanol (78-92-2)	-	81.7	163	5000	Isopropyl benzene (98-82-8)	-	81.7	16.3	70
2-Butanone (78-93-3)	-	81.7	163	5000	Methanol (67-56-1)	-	81.7	163	3000
Cyclohexane (110-82-7)	-	81.7	163	3880	2-Methylbutane (78-78-4)	-	81.7	163	5000
1,2-Dimethoxyethane (110-71-4)	-	81.7	16.3	100	Methylene chloride (75-9-2)	-	81.7	163	600
N,N-Dimethylacetamide (127-19-5)	-	81.7	163	1090	2-Methylpentane (107-83-5)	-	28.6	57.2	290
2,2-Dimethylbutane (75-83-2)	-	28.6	57.2	290	3-Methylpentane (96-10-0)	-	28.6	57.2	290
2,3-Dimethylbutane (79-29-8)	-	28.6	57.2	290	n-Pentane (109-66-0)	-	81.7	163	5000
N,N-Dimethylformamide (68-12-2)	-	81.7	163	880	1-Pentanol (71-41-0)	-	81.7	163	5000
Dimethylsulfoxide (67-68-5)	-	81.7	163	5000	n-Propane (74-98-6)	-	81.7	163	5000
1,4-Dioxane (123-91-1)	-	81.7	163	380	1-Propanol (71-23-8)	-	81.7	163	5000
Ethanol (64-17-5)	-	81.7	163	5000	Pyridine (110-86-1)	-	28.6	57.2	200
2-Ethoxyethanol (110-80-5)	-	28.6	57.2	160	Tetrahydrofuran (109-99-9)	-	81.7	163	720
Ethyl ether (60-29-7)	-	81.7	163	5000	Tetramethylene sulfone (126-33-0)	-	28.6	57.2	160
Ethyl acetate (141-78-6)	-	81.7	163	5000	Toluene (108-88-3)	-	81.7	163	890
Ethyl benzene (100-41-4)	-	81.7	163	2170	o-Xylene (95-47-6)	-	81.7	163	2170
Ethylene glycol (107-21-1)	-	81.7	163	620	m,p-Xylene (108-38-3 or 106-42-3)	-	81.7	163	2170
Ethylene oxide (75-21-8)	-	81.7	16.3	50	Xylenes* (1330-20-7)	-	43.3	86.7	2170



Color Key

RESULT < AL

RESULT > AL

"DET" detected less than LOQ

"-" not detected above LOD

"*" - o,m,p-Xylene and Ethylbenzene

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.

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

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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Cultivar (Strain) or Sample Description: Banana Zoap Indica Hybrid Live Badder			Date Completed: 04/09/2024

PESTICIDES PROFILE (SOP: SOP-PEST-001)

Analysis Date/Time: 04/08/2024 1506

Analyst: KF

Method: LC/MS/MS

Instrument: Shimadzu LC-8050

Deviations from SOP:

None

Pesticide	Result (µg/g)	LOD (µg/g)	LOQ (µg/g)	Action Level (µg/g)	Pesticide	Result (µg/g)	LOD (µg/g)	LOQ (µg/g)	Action Level (µg/g)
Abamectin (71751-41-2)	-	0.0485	0.388	0.5	Kresoxim-methyl (143390-89-0)	-	0.0485	0.388	0.4
Acephate (30560-19-1)	-	0.0485	0.388	0.4	Malathion (121-75-5)	-	0.0485	0.388	0.2
Acetaminophen (57960-19-7)	-	0.0485	0.388	2	Metalaxyl (57837-19-1)	-	0.0485	0.388	0.2
Acetamiprid (135410-20-7)	-	0.0485	0.388	0.2	Methiocarb (2032-65-7)	-	0.0485	0.388	0.2
Aldicarb (116-06-3)	-	0.0485	0.388	0.4	Methomyl (16752-77-5)	-	0.0485	0.388	0.4
Azoxystrobin (131860-33-8)	-	0.0485	0.388	0.2	Methyl parathion (298-0-0)	-	0.0485	0.388	0.2
Bifenazate (149877-41-8)	-	0.0485	0.388	0.2	MGK 264 (113-48-4)	-	0.0485	0.388	0.2
Bifenthrin (82657-04-3)	-	0.0485	0.388	0.2	Myclobutanil (88671-89-0)	-	0.0485	0.388	0.2
Boscalid (188425-85-6)	-	0.0485	0.388	0.4	Naled (300-76-5)	-	0.0485	0.388	0.5
Carbaryl (63-25-2)	-	0.0485	0.388	0.2	Oxamyl (23135-22-0)	-	0.0485	0.388	1
Carbofuran (1563-66-2)	-	0.0485	0.388	0.2	Paclobutrazol (76738-62-0)	-	0.0485	0.388	0.4
Chlorantraniliprole (800008-45-7)	-	0.0485	0.388	0.2	Permethrins (52645-53-1)	-	0.0485	0.388	0.2
Chlorfenapyr (122453-73-0)	-	0.0485	0.388	1	Phosmet (732-11-6)	-	0.0485	0.388	0.2
Chlorpyrifos (2921-88-2)	-	0.0485	0.388	0.2	Piperonyl butoxide (51-03-6)	-	0.0485	0.388	2
Clofentezine (74115-24-5)	-	0.0485	0.388	0.2	Prallethrin (2331-36-9)	-	0.0485	0.388	0.2
Cyfluthrin (68359-37-5)	-	0.0485	0.388	1	Propiconazole (60207-90-1))	-	0.0485	0.388	0.4
Cypermethrin (52315-07-8)	-	0.0485	0.388	1	Propoxur (114-26-1)	-	0.0485	0.388	0.2
Daminozide (1596-84-5)	-	0.0485	0.388	1	Pyrethrins (8003-34-7)	-	0.0485	0.388	1
DDVP (62-73-7)	-	0.0485	0.388	0.1	Pyridaben (96489-71-3)	-	0.0485	0.388	0.2
Diazinon (333-41-5)	-	0.0485	0.388	0.2	Spinosad (168316-95-8)	-	0.0485	0.388	0.2
Dimethoate (60-51-5)	-	0.0485	0.388	0.2	Spiromesifen (283594-90-1)	-	0.0485	0.388	0.2
Ethoprophos (13194-48-4)	-	0.0485	0.388	0.2	Spirotetramat (203313-25-1)	-	0.0485	0.388	0.2
Etofenprox (80844-07-1)	-	0.0485	0.388	0.4	Spiroxamine (118134-30-8)	-	0.0485	0.388	0.4
Etoxazole (153233-91-1)	-	0.0485	0.388	0.2	Tebuconazole (80443-41-0)	-	0.0485	0.388	0.4
Fenoxycarb (72490-01-8)	-	0.0485	0.388	0.2	Thiacloprid (111988-49-9)	-	0.0485	0.388	0.2
(E)-Fenpyroximate (134098-61-6)	-	0.0485	0.388	0.4	Thiamethoxam (153719-23-4)	-	0.0485	0.388	0.2
Fipronil (120068-37-3)	-	0.0485	0.388	0.4	Trifloxystrobin (141517-21-7)	-	0.0485	0.388	0.2
Flonicamid (158062-67-0)	-	0.0485	0.388	1					
Fludioxinil (131341-86-1)	-	0.0485	0.388	0.4					
Hexythiazox (78587-05-0)	-	0.0485	0.388	1					
Imazalil (35554-44-0)	-	0.0485	0.388	0.2					
Imidacloprid (138261-41-3)	-	0.0485	0.388	0.4					



Color Key

RESULT < AL
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
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guidelines.

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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	Systhane	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: 04/08/2024 1512 (ICP/OES)	Method: ICP/MS	Deviations from SOP:
Analysis Date/Time: - (DMA)	Instrument: Agilent 7500ce	None
Analyst: KF		

Heavy Metal	Result (µg/kg)	LOD (µg/kg)	LOQ (µg/kg)	Action Level (µg/kg)
Arsenic (As)	-	57.5	91.0	200
Cadmium (Cd)	-	57.5	91.0	200
Lead (Pb)	-	57.5	91.0	500
Mercury (Hg)	-	57.5	91.0	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.

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.

REPORT OF LABORATORY ANALYSIS

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www.FASTLaboratories.com

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



CERTIFICATE OF ANALYSIS (SAMPLE ID: SA37575)

Testing Location:	Customer ID: 2168	Sample ID: SA37575	Sample Type: Primary
Arkansas	River Valley Relief MIPS	Lot Number:	Matrix: Concentrate
232 S. Broadview St.	5601 Old Greenwood Rd Suite C	M00065C13249795642	Mass: 4units
Greenbrier, AR 72058	Fort Smith, AR 72903	Production Run:	Date Collected: 04/05/2024
License: ADA 05_H273	License: 00065C	E20240404BNZLB03	Date Received: 04/07/2024
Cultivar (Strain) or Sample Description: Banana Zoap Indica Hybrid Live Badder			Date Completed: 04/09/2024

MICROBIOLOGICAL PROFILE (SOP: SOP-Micro-001)

Analysis Date/Time: 04/08/2024 1600	Method: Hardy Diagnostics CompactDry	Deviations from SOP:
Analyst: PW	Instrument: Thermo Incubator	None

Bacteria/Microbe	Result (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	-



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

RESULT > AL

Reporting Limit (CFU/g)

1

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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