Address:
4737 Shavano Oak, Ste 100
San Antonio, TX 78249
(210) 682-9883
info@vetscilabs.com

PJLA Testing Accreditation #114730

SUMMARY OF ANALYSIS (SAMPLE ID: SA32185)

Testing Location:	**Customer ID:** 2219	**Order ID:** OR10003	**Sample Type:** Primary
San Antonio	Exclusive Gummies	**Lot Number:**	**Matrix:** Edible
4737 Shavano Oak, Ste 100	6241 County Rd 134	Not Entered	**Mass:** 18g
San Antonio, TX 78249	Celina, Texas 75009	**Batch Number:**	**Date Collected:** 09/29/2022
License: 2020034	License: Not Entered or N/A	082922BR50	**Date Received:** 09/01/2022
Cultivar (Strain) or Sample Description: D9 Gummies			**Date Completed:** 09/10/2022

*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.

*Testing, with the exception of potency, was sub-contracted to F.A.S.T. Laboratories, 232 S Broadview St, Greenbrier, AR 72058 (ISO 17025:2017, A2LA Certificate 4473.01)(Texas Hemp License, TL2020029).

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

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
Δ9-THC	0.255	3
CBD	0	-
CBDa	0	-
TOTAL CBD	-	-
TOTAL THC	0.255	3
TOTAL CANNABINOIDS	0.255	3

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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CERTIFICATE OF ANALYSIS (SAMPLE ID: SA32185)

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4737 Shavano Oak, Ste 100	6241 County Rd 134	Not Entered	**Mass:** 18g
San Antonio, TX 78249	Celina, Texas 75009	**Batch Number:**	**Date Collected:** 09/29/2022
License: 2020034	License: Not Entered or N/A	082922BR50	**Date Received:** 09/01/2022
Cultivar (Strain) or Sample Description: D9 Gummies			**Date Completed:** 09/10/2022

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

Analysis Date/Time: 09/02/2022 1042 **Method:** HPLC/DAD **Moisture Content (%):** -
Analyst: GB **Instrument:** Agilent 1100

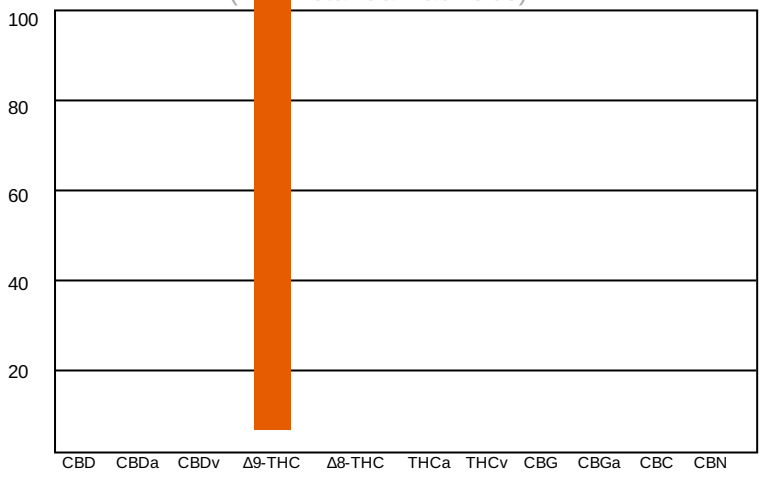
Cannabinoid	Result (%)	UM (+/-%)	Result (mg/g)	Reporting Limit (mg/g)	Result (mg/mL)	Per Serving (mg)	Per Unit (mg)
CBD	-	-	-	0.0269	-	-	-
CBDa	-	-	-	0.0269	-	-	-
CBDv	-	-	-	0.0269	-	-	-
Δ9-THC	0.255	0.0434	3	0.0269	-	46	230
Δ8-THC	-	-	-	0.0269	-	-	-
THCa	-	-	-	0.0269	-	-	-
THCv	-	-	-	0.0269	-	-	-
CBC	-	-	-	0.0269	-	-	-
CBG	-	-	-	0.0269	-	-	-
CBGa	-	-	-	0.0269	-	-	-
CBN	-	-	-	0.0269	-	-	-
TOTAL	0.255	0.0434	3		-	46	230
TOTAL THC	0.255	0.0434	2.55		-	46	230
TOTAL CBD	-	-	-		-	-	-

SERVING MASS (g): 18
SERVINGS/UNIT: 5

"-" Not detected above RL.

Cannabinoid Distribution

(% of Total Cannabinoids)



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 THC = (THCa x 0.877) + Δ9-THC
Total CBD = (CBDa x 0.877) + CBD

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

Abbreviations: UV - Ultraviolet, HPLC - High Pressure Liquid Chromatography, RL - Reporting Limit, RPD - Relative Percent Difference, RSD - Relative Standard Deviation, DET - Detected (less than RL), UM - Measurement Uncertainty

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CERTIFICATE OF ANALYSIS (SAMPLE ID: SA32185)

Testing Location:	**Customer ID:** 2219	**Order ID:** OR10003	**Sample Type:** Primary
Arkansas	Exclusive Gummies	**Lot Number:**	**Matrix:** Edible
232 S. Broadview St.	6241 County Rd 134	Not Entered	**Mass:** 18g
Greenbrier, AR 72058	Celina, Texas 75009	**Batch Number:**	**Date Collected:** 09/29/2022
License: ADA 05_H273	License: Not Entered or N/A	082922BR50	**Date Received:** 09/01/2022

Cultivar (Strain) or Sample Description: D9 Gummies — **Date Completed:** 09/10/2022

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

Analysis Date/Time: 9/9/2022 0830 — **Method:** HS/GC/MS — **Deviations from SOP:**
Analyst: KF — **Instrument:** Agilent 7890/5975 — None

Solvent	Result (µg/g)	LOD (µg/g)	LOQ (µg/g)	Action Level (µg/g)
Acetone (67-64-1)	-	36.4	72.8	5000
Acetonitrile (75-5-8)	-	36.4	72.8	410
Benzene (71-43-2)	-	0.364	0.728	2
n-Butane (106-97-2)	-	36.4	72.8	5000
1-Butanol (71-36-3)	-	36.4	72.8	5000
2-Butanol (78-92-2)	-	36.4	72.8	5000
2-Butanone (78-93-3)	-	36.4	72.8	5000
Cyclohexane (110-82-7)	-	36.4	72.8	3880
1,2-Dimethoxyethane (110-71-4)	-	3.64	7.28	100
N,N-Dimethylacetamide (127-19-5)	-	36.4	72.8	1090
2,2-Dimethylbutane (75-83-2)	-	12.7	25.5	290
2,3-Dimethylbutane (79-29-8)	-	12.7	25.5	290
N,N-Dimethylformamide (68-12-2)	-	36.4	72.8	880
Dimethylsulfoxide (67-68-5)	-	36.4	72.8	5000
1,4-Dioxane (123-91-1)	-	36.4	72.8	380
Ethanol (64-17-5)	-	36.4	72.8	5000
2-Ethoxyethanol (110-80-5)	-	12.7	25.5	160
Ethyl ether (60-29-7)	-	36.4	72.8	5000
Ethyl acetate (141-78-6)	-	36.4	72.8	5000
Ethyl benzene (100-41-4)	-	36.4	72.8	2170
Ethylene glycol (107-21-1)	-	36.4	72.8	620

Solvent	Result (µg/g)	LOD (µg/g)	LOQ (µg/g)	Action Level (µg/g)
n-Heptane (142-82-5)	-	36.4	72.8	5000
n-Hexane (110-54-3)	-	12.7	25.5	290
Isobutane (75-28-5)	-	36.4	72.8	5000
Isopropanol (67-63-0)	-	36.4	72.8	5000
Isopropyl acetate (108-21-4)	-	36.4	72.8	5000
Isopropyl benzene (98-82-8)	-	3.64	7.28	70
Methanol (67-56-1)	-	36.4	72.8	3000
2-Methylbutane (78-78-4)	-	36.4	72.8	5000
Methylene chloride (75-9-2)	-	36.4	72.8	600
2-Methylpentane (107-83-5)	-	12.7	25.5	290
3-Methylpentane (96-10-0)	-	12.7	25.5	290
n-Pentane (109-66-0)	-	36.4	72.8	5000
1-Pentanol (71-41-0)	-	36.4	72.8	5000
n-Propane (74-98-6)	-	36.4	72.8	5000
1-Propanol (71-23-8)	-	36.4	72.8	5000
Pyridine (110-86-1)	-	12.7	25.5	200
Tetrahydrofuran (109-99-9)	-	36.4	72.8	720
Tetramethylene sulfone (126-33-0)	-	12.7	25.5	160
Toluene (108-88-3)	-	36.4	72.8	890
o-Xylene (95-47-6)	-	36.4	72.8	2170
m,p-Xylene (108-38-3 or 106-42-3)	-	36.4	72.8	2170
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.

Solvent	Synonym(s)	Solvent	Synonym(s)
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
Dimethysufoxide	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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Arkansas	Exclusive Gummies	**Lot Number:**	**Matrix:** Edible
232 S. Broadview St.	6241 County Rd 134	Not Entered	**Mass:** 18g
Greenbrier, AR 72058	Celina, Texas 75009	**Batch Number:**	**Date Collected:** 09/29/2022
License: ADA 05_H273	License: Not Entered or N/A	082922BR50	**Date Received:** 09/01/2022

Cultivar (Strain) or Sample Description: D9 Gummies — **Date Completed:** 09/10/2022

PESTICIDES PROFILE (SOP: SOP-PEST-001)

Analysis Date/Time: 9/9/2022 1932 — **Method:** LC/MS/MS — **Deviations from SOP:**
Analyst: KF — **Instrument:** Shimadzu LC-8050 — None

Pesticide	Result (µg/g)	LOD (µg/g)	LOQ (µg/g)	Action Level (µg/g)
Abamectin (71751-41-2)	-	0.0102	0.0815	0.5
Acephate (30560-19-1)	-	0.0102	0.0815	0.4
Acequinocyl (57960-19-7)	-	0.0102	0.0815	2
Acetamiprid (135410-20-7)	-	0.0102	0.0815	0.2
Aldicarb (116-06-3)	-	0.0102	0.0815	0.4
Azoxystrobin (131860-33-8)	-	0.0102	0.0815	0.2
Bifenazate (149877-41-8)	-	0.0102	0.0815	0.2
Bifenthrin (82657-04-3)	-	0.0102	0.0815	0.2
Boscalid (188425-85-6)	-	0.0102	0.0815	0.4
Carbaryl (63-25-2)	-	0.0102	0.0815	0.2
Carbofuran (1563-66-2)	-	0.0102	0.0815	0.2
Chlorantraniliprole (800008-45-7)	-	0.0102	0.0815	0.2
Chlorfenapyr (122453-73-0)	-	0.0102	0.0815	1
Chlorpyrifos (2921-88-2)	-	0.0102	0.0815	0.2
Clofentezine (74115-24-5)	-	0.0102	0.0815	0.2
Cyfluthrin (68359-37-5)	-	0.0102	0.0815	1
Cypermethrin (52315-07-8)	-	0.0102	0.0815	1
Daminozide (1596-84-5)	-	0.0102	0.0815	1
DDVP (62-73-7)	-	0.0102	0.0815	0.1
Diazinon (333-41-5)	-	0.0102	0.0815	0.2
Dimethoate (60-51-5)	-	0.0102	0.0815	0.2
Ethoprophos (13194-48-4)	-	0.0102	0.0815	0.2
Etofenprox (80844-07-1)	-	0.0102	0.0815	0.4
Etoxazole (153233-91-1)	-	0.0102	0.0815	0.2
Fenoxycarb (72490-01-8)	-	0.0102	0.0815	0.2
(E)-Fenpyroximate (134098-61-6)	-	0.0102	0.0815	0.4
Fipronil (120068-37-3)	-	0.0102	0.0815	0.4
Flonicamid (158062-67-0)	-	0.0102	0.0815	1
Fludioxinil (131341-86-1)	-	0.0102	0.0815	0.4
Hexythiazox (78587-05-0)	-	0.0102	0.0815	1
Imazalil (35554-44-0)	-	0.0102	0.0815	0.2
Imidacloprid (138261-41-3)	-	0.0102	0.0815	0.4
Kresoxim-methyl (143390-89-0)	-	0.0102	0.0815	0.4
Malathion (121-75-5)	-	0.0102	0.0815	0.2
Metalaxyl (57837-19-1)	-	0.0102	0.0815	0.2
Methiocarb (2032-65-7)	-	0.0102	0.0815	0.2
Methomyl (16752-77-5)	-	0.0102	0.0815	0.4
Methyl parathion (298-0-0)	-	0.0102	0.0815	0.2
MGK 264 (113-48-4)	-	0.0102	0.0815	0.2
Myclobutanil (88671-89-0)	-	0.0102	0.0815	0.2
Naled (300-76-5)	-	0.0102	0.0815	0.5
Oxamyl (23135-22-0)	-	0.0102	0.0815	1
Paclobutrazol (76738-62-0)	-	0.0102	0.0815	0.4
Permethrins (52645-53-1)	-	0.0102	0.0815	0.2
Phosmet (732-11-6)	-	0.0102	0.0815	0.2
Piperonyl butoxide (51-03-6)	-	0.0102	0.0815	2
Prallethrins (2331-36-9)	-	0.0102	0.0815	0.2
Propiconazole (60207-90-1))	-	0.0102	0.0815	0.4
Propoxur (114-26-1)	-	0.0102	0.0815	0.2
Pyrethrins (8003-34-7)	-	0.0102	0.0815	1
Pyridaben (96489-71-3)	-	0.0102	0.0815	0.2
Spinosad (168316-95-8)	-	0.0102	0.0815	0.2
Spiromesifen (283594-90-1)	-	0.0102	0.0815	0.2
Spirotetramat (203313-25-1)	-	0.0102	0.0815	0.2
Spiroxamine (118134-30-8)	-	0.0102	0.0815	0.4
Tebuconazole (80443-41-0)	-	0.0102	0.0815	0.4
Thiacloprid (111988-49-9)	-	0.0102	0.0815	0.2
Thiamethoxam (153719-23-4)	-	0.0102	0.0815	0.2
Trifloxystrobin (141517-21-7)	-	0.0102	0.0815	0.2

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.

Action levels are referenced from the State of Arkansas MMJ testing 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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Cultivar (Strain) or Sample Description: D9 Gummies			**Date Completed:** 09/10/2022

HEAVY METAL PROFILE (SOP: SOP-ICP-200.7)

Analysis Date/Time: 09/09/2022 1638 (ICP/OES)
Analysis Date/Time: - (DMA)
Analyst: KF

Method: ICP/OES
Instrument: Agilent 720-ES

Deviations from SOP:
None

Heavy Metal	Result (µg/kg)	LOD (µg/kg)	LOQ (µg/kg)	Action Level (µg/kg)
Arsenic (As)	-	46.3	87.9	200
Cadmium (Cd)	-	46.3	87.9	200
Lead (Pb)	-	46.3	87.9	500
Mercury (Hg)	-	46.3	87.9	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

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"-" 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: 9/8/2022 1154
Analyst: PW
Method: Hardy Diagnostics CompactDry
Instrument: Thermo Incubator
Deviations from SOP:
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	-
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.
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