

SUMMARY OF ANALYSIS (ORDER ID: OR593, SAMPLE ID: SA3226)
Date Collected: 10/05/2023, Date Received: 10/05/2023, Date Completed: 10/11/2023

Customer ID: 45
Budz R Us

Sample Description: White Widow Prerolls
Lot Number: 1A42301000000C9000000153
Batch Number: 1A42301000000C9000000089
Sample Matrix: Raw Plant Material

Sample Amount: 6ea
Batch Amount:

License: Not Entered or N/A

This page is a summary of the analysis performed. For analytical details, consult the attached page(s). All contaminant action levels are referenced from the State of Mississippi MMJ testing guidelines.

Moisture Content (%)
9.83

PASS/FAIL
PASS

Water Activity (aw)
0.554 @ 25.0°C

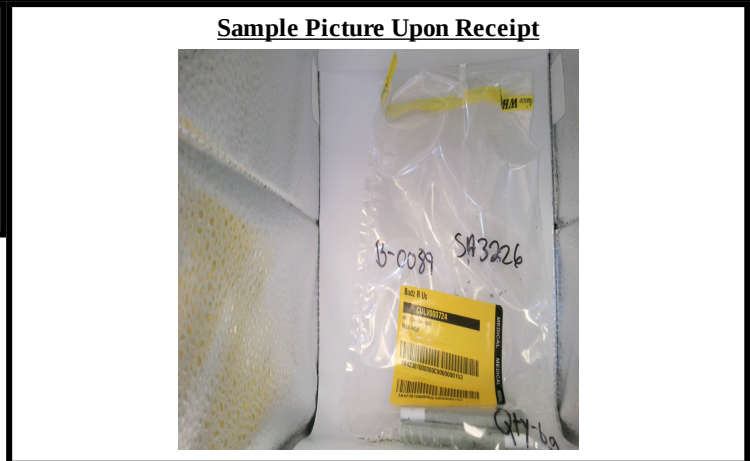
PASS/FAIL
PASS

Moisture content/water activity action levels are referenced from the State of Mississippi MMJ testing guidelines.
 Moisture content levels must be less than 15%. Water activity levels must be less than 0.65aw.

Cannabinoids (Top 3)	(%)	mg/g
THCA	18.6	186
Δ9-THC	0.759	7.59
CBGA	0.314	3.14
TOTAL CBD	-	-
TOTAL THC	17.1	171
TOTAL CANNABINOIDS	19.9	199

Terpenes (Top 5)	(%)	mg/g
Linalool	0.000910	0.00910
α-Bisabolol	0.000	0.000
Camphene	0.000	0.000
δ-3-Carene	0.000	0.000
β-Caryophyllene	0.000	0.000
TOTAL TERPENES	0.000910	0.00910

Contaminants	PASS/FAIL
Heavy Metals:	PASS
Microbiology:	PASS
Mycotoxins:	PASS
Pesticides:	PASS



Scan the QR code to verify results.

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

Analysis Date/Time: 10/06/2023 1423
Analyst: PG

Method: HPLC/DAD
Instrument: Shimadzu LC-2050

Moisture Content (%): 9.83
Water Activity (aw): 0.554 @ 25.0°C

Cannabinoid	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)	Result (mg/mL)	Per Serving (mg)	Per Unit (mg)
CBC	ND	ND	0.217	0.507	-	-	-
CBCA	0.278	2.78	0.674	1.57	-	2.78	2.78
CBD	ND	ND	1.53	3.58	-	-	-
CBDA	ND	ND	0.564	1.32	-	-	-
CBDV	ND	ND	0.246	0.573	-	-	-
CBDVA	ND	ND	0.655	1.53	-	-	-
CBG	ND	ND	0.994	2.32	-	-	-
CBGA	0.314	3.14	0.712	1.66	-	3.14	3.14
CBL	ND	ND	1.15	2.68	-	-	-
CBN	ND	ND	0.528	1.23	-	-	-
CBNA	ND	ND	0.570	1.33	-	-	-
Δ9-THC	0.759	7.59	0.632	1.47	-	7.59	7.59
Δ8-THC	<LOQ	<LOQ	0.987	2.30	-	-	-
THCA	18.6	186	0.343	0.802	-	186	186
THCV	ND	ND	0.823	1.92	-	-	-
THCVA	ND	ND	0.263	0.611	-	-	-
TOTAL	19.9	199			-	199	199
TOTAL CBC	0.243	2.43			-	2.43	2.43
TOTAL CBD	-	-			-	-	-
TOTAL CBDV	-	-			-	-	-
TOTAL CBG	0.276	2.76			-	2.76	2.76
TOTAL CBN	-	-			-	-	-
TOTAL THC	17.1	171			-	171	171
TOTAL THCV	-	-			-	-	-



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.

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, RPD - Relative Percent Difference, RSD - Relative Standard Deviation, ND - Not Detected Above LOD
LOD - Limit of Detection, LOQ - Limit of Quantitation

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TERPENOID PROFILE (SOP: SOP-TERPS-001)

Analysis Date/Time: 10/09/2023 1725
Analyst: PG

Method: GC/MS
Instrument: Shimadzu GC-2010SE/AOC-20i

Deviations from SOP:
None

<u>Terpene</u>	<u>Result (%)</u>	<u>Result (mg/g)</u>	<u>LOD (mg/g)</u>	<u>LOQ (mg/g)</u>
α-Bisabolol	ND	ND	0.1	0.3
Camphene	ND	ND	0.2	0.1
δ-3-Carene	ND	ND	0.08	0.3
β-Caryophyllene	ND	ND	0.08	0.3
Caryophyllene oxide	ND	ND	0.07	0.3
p-Cymene	ND	ND	0.05	0.1
Eucalyptol	ND	ND	0.08	0.5
Geraniol	ND	ND	0.2	1
Guaiol	ND	ND	0.09	0.3
α-Humulene	ND	ND	0.06	0.3
Isopulegol	ND	ND	0.07	0.3
d-Limonene	ND	ND	0.05	0.3
Linalool	<LOQ	<LOQ	0.04	0.1
β-Myrcene	ND	ND	0.03	0.1
cis-Nerolidol	ND	ND	0.04	0.1
trans-Nerolidol	ND	ND	0.07	0.2
α-Ocimene	ND	ND	0.04	0.08
β-Ocimene	ND	ND	0.03	0.2
α-Pinene	ND	ND	0.08	0.1
β-Pinene	ND	ND	0.06	0.1
α-Terpinene	ND	ND	0.06	0.1
γ-Terpinene	ND	ND	0.05	0.3
Terpinolene	ND	ND	0.05	0.3
TOTAL	0.000910	0.00910		



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

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Batch Amount:

License: Not Entered or N/A

MYCOTOXINS/PESTICIDES PROFILE (SOP: SOP-MYCOPEST-001)

Analysis Date/Time: 10/06/2023 1442
Analyst: PG

Method: LC/MS/MS
Instrument: Shimadzu LCMS-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)	ND	0.05	0.4	0.5	Fludioxinil (131341-86-1)	ND	0.05	0.4	0.4
Acephate (30560-19-1)	ND	0.05	0.4	0.4	Hexythiazox (78587-05-0)	ND	0.05	0.4	1
Acequinocyl (57960-19-7)	ND	0.05	0.4	2	Imazalil (35554-44-0)	ND	0.05	0.4	0.2
Acetamiprid (135410-20-7)	ND	0.05	0.4	0.2	Imidacloprid (138261-41-3)	ND	0.05	0.4	0.4
Aldicarb (116-06-3)	ND	0.05	0.4	0.4	Kresoxim-methyl (143390-89-0)	ND	0.05	0.4	0.4
Azoxystrobin (131860-33-8)	ND	0.05	0.4	0.2	Malathion (121-75-5)	ND	0.05	0.4	0.2
Bifenazate (149877-41-8)	ND	0.05	0.4	0.2	Methaxyl (57837-19-1)	ND	0.05	0.4	0.2
Bifenthrin (82657-04-3)	ND	0.05	0.4	0.2	Methiocarb (2032-65-7)	ND	0.05	0.4	0.2
Boscalid (188425-85-6)	ND	0.05	0.4	0.4	Methomyl (16752-77-5)	ND	0.05	0.4	0.4
Carbaryl (63-25-2)	ND	0.05	0.4	0.2	Methyl parathion (298-0-0)	ND	0.05	0.4	0.2
Carbofuran (1563-66-2)	ND	0.05	0.4	0.2	Myclobutanil (88671-89-0)	ND	0.05	0.4	0.2
Chlorantraniliprole (800008-45-7)	ND	0.05	0.4	0.2	Naled (300-76-5)	ND	0.05	0.4	0.5
Chlorfepapyr (122453-73-0)	ND	0.05	0.4	1	Oxamyl (23135-22-0)	ND	0.05	0.4	1
Chlorpyrifos (2921-88-2)	ND	0.05	0.4	0.2	Pacllobutrazol (76738-62-0)	ND	0.05	0.4	0.4
Chlomequat chloride (7003-89-6)	ND	0.05	0.4	0.2	Permethrins (52645-53-1)	ND	0.05	0.4	0.2
Clofentezine (74115-24-5)	ND	0.05	0.4	0.2	Phosmet (732-11-6)	ND	0.05	0.4	0.2
Cyfluthrin (68359-37-5)	ND	0.05	0.4	1	Piperonyl butoxide (51-03-6)	ND	0.05	0.4	2
Cypermethrin (52315-07-8)	ND	0.05	0.4	1	Prallethrins (2331-36-9)	ND	0.05	0.4	0.2
Daminozide (1596-84-5)	ND	0.05	0.4	1	Propiconazole (60207-90-1)	ND	0.05	0.4	0.4
DDVP (62-73-7)	ND	0.05	0.4	0.1	Propoxur (114-26-1)	ND	0.05	0.4	0.2
Diazinon (333-41-5)	ND	0.05	0.4	0.2	Pyrethrins (8003-34-7)	ND	0.05	0.4	1
Dimethoate (60-51-5)	ND	0.05	0.4	0.2	Pyridaben (96489-71-3)	ND	0.05	0.4	0.2
Ethoprophos (13194-48-4)	ND	0.05	0.4	0.2	Spinosad (168316-95-8)	ND	0.05	0.4	0.2
Etofenprox (80844-07-1)	ND	0.05	0.4	0.4	Spiromesifen (283594-90-1)	ND	0.05	0.4	0.2
Etoxazole (153233-91-1)	ND	0.05	0.4	0.2	Spirotetramat (203313-25-1)	ND	0.05	0.4	0.2
Fenoxycarb (72490-01-8)	ND	0.05	0.4	0.2	Spiroxamine (118134-30-8)	ND	0.05	0.4	0.4
Fenpyroximate (134098-61-6)	ND	0.05	0.4	0.4	Tebuconazole (80443-41-0)	ND	0.05	0.4	0.4
Fipronil (120068-37-3)	ND	0.05	0.4	0.4	Thiacloprid (111988-49-9)	ND	0.05	0.4	0.2
Fonicamid (158062-67-0)	ND	0.05	0.4	1	Thiamethoxam (153719-23-4)	ND	0.05	0.4	0.2
					Trifloxystrobin (141517-21-7)	ND	0.05	0.4	0.2



Color Key

RESULT < AL
RESULT > AL

Permethrins measured as the cumulative residue of the *cis*- and *trans*- permethrin isomers.

Action levels are referenced from the State of Mississippi 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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Mycotoxin	Result (µg/g)	LOD (µg/g)	LOQ (µg/g)	Action Level (µg/g)	Mycotoxin	Result (µg/g)	LOD (µg/g)	LOQ (µg/g)	Action Level (µg/g)
Aflatoxin B1 (71751-41-2)	ND	0.05	0.4	0.020	Aflatoxin G1 (111988-49-9)	ND	0.05	0.4	0.020
Aflatoxin B2 (30560-19-1)	ND	0.05	0.4	0.020	Aflatoxin G2 (153719-23-4)	ND	0.05	0.4	0.020
					Ochratoxin A (141517-21-7)	ND	0.05	0.4	0.020

Abbreviations: LC - Liquid Chromatography, MS - Mass Spectrometry, AL - Action Level, CAS - Chemical Abstract Services, LOD - Limit of Detection, LOQ - Limit of Quantification, ND - Not Detected Above LOD

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-200.8)

Analysis Date/Time: 10/10/2023 1155
Analyst: PG

Method: ICP/MS
Instrument: Shimadzu ICPMS-2030LF

Deviations from SOP:
None

<u>Heavy Metal</u>	<u>Result</u> (µg/g)	<u>LOD</u> (µg/g)	<u>LOQ</u> (µg/g)	<u>Action Level</u> (µg/g)
Arsenic (As)	ND	0.2	0.4	0.4
Cadmium (Cd)	ND	0.2	0.4	0.4
Lead (Pb)	ND	0.5	1	1.0
Mercury (Hg)	ND	0.6	1	1.2



Abbreviations: ICP - Inductively-Coupled Plasma, MS - Mass Spectrometry, AL - Action Level, LOD - Limit of Detection, LOQ - Limit of Quantitation, ND - Not Detected Above LOD

Color Key



MICROBIOLOGICAL PROFILE (SOP: SOP-MICRO-001)

Analysis Date/Time: 10/10/2023 1436
Analyst: PG

Method: PathogenDX
Instrument: Sensovation AG 733

Deviations from SOP:
None

<u>Bacteria/Microbe</u>	<u>Result</u> (CFU/g)	<u>Action Level</u> (CFU/g)
Total Escherichia coli	Absent	100
Shiga toxin-producing Escherichia coli	Absent	Present
Salmonella spp.	Absent	Present
Aspergillus flavus	Absent	Present
Aspergillus fumigatus	Absent	Present
Aspergillus niger	Absent	Present
Aspergillus terreus	Absent	Present

Color Key



Reporting Limit (CFU/g)

1

Abbreviations: 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

Action levels for heavy metals and microbiology are referenced from the State of Mississippi MMJ testing guidelines.

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