





### **CERTIFICATE OF ANALYSIS**

License #: 0000020LCVT89602592

# **BITS Elderberry 1:1 CBD:THC**

Batch #: 240202BGEW1to1THCCBD Strain: Indica Blend Parent Batch #: 231010MDIS Production Method: Alcohol Harvest Date: 10/10/2023 Received: 02/06/2024 Sample ID: 2402SMAZ0179.0581 Amount Received: 56.5 g Sample Type: Soft Chew Sample Collected: 02/06/2024 11:21:00 Manufacture Date: 02/02/2024 Published: 02/09/2024



# **COMPLIANCE FOR RETAIL**

### **Regulated Analytes**



#### Ahmed Munshi

**Technical Laboratory Director** 

AMMunshi

Smithers CTS Arizona LLC 734 W Highland Avenue, 2nd Floor Phoenix, AZ 85013 (602) 806-6930





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Cannabino	id Profile	Sample Prep	Sample Analysis	
Cannabino		Batch Date: 02/08/2024 SOP: 418.AZ	Date: 02/08/2024 SOP: 417.AZ - HPLC	
HPLC	Tested	Batch Number: 867	Sample Weight: 1.082 g Volume: 10 mL	

Analyte	LOD (mg/g)	LOQ (mg/g)	Dil.	Actual % (w/w)	mg/g	mg/serving	mg/package	Qualifier
CBC	0.003	0.009	1	0.003	0.025	0.071	1.413	M2
CBD	0.003	0.009	1	0.207	2.074	5.859	117.181	M2
CBDA	0.003	0.009	1	ND	ND	ND	ND	M2
CBDV	0.003	0.009	1	<loq< td=""><td><loq< td=""><td><loq< td=""><td><loq< td=""><td>M2</td></loq<></td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td><loq< td=""><td>M2</td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td>M2</td></loq<></td></loq<>	<loq< td=""><td>M2</td></loq<>	M2
CBG	0.003	0.009	1	0.008	0.078	0.220	4.407	M2
CBGA	0.003	0.009	1	ND	ND	ND	ND	M2
CBN	0.003	0.009	1	0.001	0.010	0.028	0.565	M2
d8-THC	0.003	0.009	1	ND	ND	ND	ND	M2
d9-THC	0.003	0.009	1	0.199	1.991	5.625	112.492	M2
THCA	0.003	0.009	1	ND	ND	ND	ND	M2
THCV	0.003	0.009	1	0.002	0.024	0.068	1.356	M2

Cannabinoid Totals	Actual % (w/w)	mg/g	mg/serving	mg/package	Qualifier
Total THC	0.199	1.991	5.625	112.492	
Total CBD	0.207	2.074	5.859	117.181	
Total Cannabinoids	0.420	4.202	11.871	237.413	Q3

Total THC = THC + (0.877 x THCA) and Total CBD = CBD + (0.877 x CBDA) ND = Not Detected, NT = Not Tested, <LOQ = Below Limit of Quantitation Serving Weight: 2.825 5mg CBD & 5mg THC each; Servings/Package: 20

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Sample Weight: 1.006 g

SOP: 406.AZ Batch Number: 870

Analyte	Allowable Criteria	Actual Result	Pass/Fail	Qualifier
almonella	Not Detected in One Gram	Not Detected in One Gram	Pass	

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## **Qualifier Legend**

- B1 The target analyte detected in the calibration is at or above the limit of quantitation, but the sample result for potency testing, is below the limit of quantitation.
- B2 The target analyte detected in the calibration blank, or the method blank is at or above the limit of quantitation, but the sample result when testing for pesticides, fungicides, herbicides, growth regulators, heavy metals, or residual solvents, is below the maximum allowable concentration for the analyte.
- **D1** The limit of quantitation and the sample results were adjusted to reflect sample dilution.
- 1 The relative intensity of a characteristic ion in a sample analyte exceeded the acceptance with respect to the reference spectra, indicating interference.
- When testing for pesticides, fungicides, herbicides, growth regulators, heavy metals, or residual solvents, the percent recovery of a laboratory control sample is greater than the acceptance limits, but the sample's target analytes were not detected above the maximum allowable concentrations for the analytes in the sample.
- M1 The recovery from the matrix spike was high, but the recovery from the laboratory control sample was within acceptance criteria.
- M2 The recovery from the matrix spike was low, but the recovery from the laboratory control sample was within acceptance criteria.
- M3 The recovery from the matrix spike was unusable because the analyte concentration was disproportionate to the spike level, but the recovery from the laboratory control sample was within acceptance criteria.
- M4 The analysis of a spiked sample required a dilution such that the spike recovery calculation does not provide useful information, but the recovery from the associated laboratory control sample was within acceptance criteria.
- M5 The analyte concentration was determined by the method of standard addition, in which the standard is added directly to the aliquots of the analyzed sample.
- M6 A description of the variance is described in the final report of testing according to R9-17-404.06(B)(3)(d)(ii).
- Q1 Sample integrity was not maintained.
- Q2 The sample is heterogeneous, and sample homogeneity could not be readily achieved using routine laboratory practices.
- Q3 Testing result is for informational purposes only and cannot be used to satisfy dispensary testing requirements in R9-17-317.01(A) or labeling requirem
- R1 The relative percent difference for the laboratory control sample and duplicate exceeded the limit, but the recovery was within acceptance criteria.
- R2 The relative percent difference for a sample and duplicate exceeded the limit.
- V1 The recovery from continuing calibration verification standards exceeded the acceptance limits, but the sample's target analytes were not detected above the maximum allowable for the analytes in the sample.

### Cultivated By:

#### Manufactured By:

Disclaimer: Using marijuana during pregnancy could cause birth defects or other health issues to your unborn child.

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Notes: Expiration Date: 02/20/2025 Date Sample Prepared: 02/02/2024

Cultivation License: Fort Consulting, Llc 00000105DCOU00194638/00000064ESAK09838873 Manufacture: License: Fort Consulting, Llc 00000105DCOU00194638/00000064ESAK09838873



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License #: 0000020LCVT89602592

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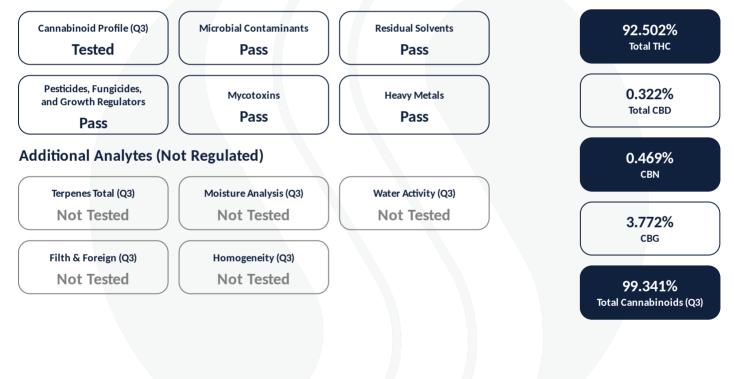
# Distillate

Batch #: 231010MDIS Strain: Hybrid Blend Parent Batch #: Sample Collected: 10/13/2023 09:00:00 Published: 10/19/2023 Sample ID: 2310SMAZ0145.0399 Amount Received: 5.8 g Sample Type: Distillate Received: 10/13/2023



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Cannabinoic	Profile	Sample Prep	Sample Analysis
cannabilioit		Batch Date: 10/16/2023	Date: 10/19/2023
		SOP: 418.AZ	<b>SOP:</b> 417.AZ - HPLC
HPLC	HPLC Tested	Batch Number: 156	Sample Weight: 0.041 g
	Tested		Volume: 40 mL

Analyte	LOD (mg/g)	LOQ (mg/g)	Dil.	Actual % (w/w)	mg/g	Qualifier
CBC	0.628	1.906	2	1.144	11.438	
CBD	0.628	1.906	2	0.322	3.216	
CBDA	0.628	1.906	2	ND	ND	
CBDV	0.628	1.906	2	ND	ND	
CBG	0.628	1.906	2	3.772	37.719	
CBGA	0.628	1.906	2	ND	ND	
CBN	0.628	1.906	2	0.469	4.689	
d8-THC	0.628	1.906	2	ND	ND	
d9-THC	0.628	1.906	2	92.502	925.020	
THCA	0.628	1.906	2	ND	ND	
THCV	0.628	1.906	2	1.133	11.327	

Cannabinoid Totals	Actual % (w/w)	mg/g	Qualifier
Total THC	92.502	925.020	
Total CBD	0.322	3.216	
Total Cannabinoids	99.341	993.409	Q3

Total THC = THC + (0.877 x THCA) and Total CBD = CBD + (0.877 x CBDA) ND = Not Detected, NT = Not Tested, <LOQ = Below Limit of Quantitation

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Batch Date: 10/16/2023       Date: 10/19/2023         SOP: 431.AZ       SOP: 431.AZ - TEMPO (MPN)         Batch Number: 157       Sample Weight: 1.053 g         Image: Analyte Allowable Criteria Actual Result Pass/       E. coli         Sample Prep       Sample         Batch Date: 10/16/2023       SOP: 406.AZ - qPCR (MG)         SOP: 406.AZ       Batch Number: 166         Analyte Allowable Criteria Actual Result Pass/         Sample Prep         Sample Weight: 1.024 g         Sop: 406.AZ         Batch Number: 166         Analyte Allowable Criteria Actual Result Pass/         Sample Weight: 1.024 g	
Batch Date: 10/16/2023 Date: 10/19/2023   SOP: 431.AZ SOP: 431.AZ   Batch Number: 157 Sample Weight: 1.053 g     Analyte Allowable Criteria   Actual Result Pass/   E. coli < 100 CFU/g   Pa Sample Prep   Satch Date: 10/16/2023 SOP: 406.AZ   SoP: 406.AZ Sample Veight: 1.024 g   Salmonella Not Detected in One Gram   Not Detected in One Gram Not Detected in One Gram   Satch Date: 10/16/2023 Sop: 406.AZ   Salmonella Not Detected in One Gram   Sample Prep Sample Satch Date: 10/19/2023   Sop: 406.AZ Sample Prep	
E. coli < 100 CFU/g < 100 CFU/g Pa Sample Prep Sample Sample Sample Prep Sample Meight: 10/19/2023 SOP: 406.AZ Batch Number: 166 Allowable Criteria Actual Result Pass/ Salmonella Not Detected in One Gram Not Detected in One Gram Pa Sample Prep Sample Sample Sample Sample Sample Sample Sample Sample Sample Prep Sample Sample Sample Prep	le Analysis
Sample Prep       Sample Satch Date: 10/16/2023         SoP: 406.AZ       Date: 10/19/2023         Satch Number: 166       Date: 10/19/2023         Analyte       Allowable Criteria       Actual Result       Pass/         Salmonella       Not Detected in One Gram       Not Detected in One Gram       Pass/         Satch Date: 10/16/2023       Sample Prep       Sample Satch Date: 10/19/2023         Satch Date: 10/16/2023       Date: 10/19/2023       Sample Satch Date: 10/19/2023         Satch Date: 10/16/2023       Date: 10/19/2023       Sop: 406.AZ - qPCR (MG)	ail Qualifier
Batch Date: 10/16/2023       Date: 10/19/2023         SOP: 406.AZ       SOP: 406.AZ - qPCR (MG)         Satch Number: 166       Allowable Criteria       Actual Result       Pass/         Salmonella       Not Detected in One Gram       Not Detected in One Gram       Pa         Satch Date: 10/16/2023       Sample Prep       Sample Satch Date: 10/19/2023         Batch Date: 10/16/2023       Date: 10/19/2023       SoP: 406.AZ - qPCR (MG)	5
Salmonella Not Detected in One Gram Not Detected in One Gram Pa Sample Prep Sample 2013 SoP: 406.AZ Date: 10/16/2023 SoP: 406.AZ - qPCR (MG)	le Analysis
Sample Prep         Sample           Batch Date: 10/16/2023         Date: 10/19/2023           SOP: 406.AZ         SOP: 406.AZ - qPCR (MG)	ail Qualifier
Date:         10/16/2023         Date:         10/19/2023           OP:         406.AZ         SOP:         406.AZ - qPCR (MG)	3
Analyte Allowable Criteria Actual Result Pass/	le Analysis
Aspergillus flavusNot Detected in One GramNot Detected in One GramPaAspergillus fumigatusNot Detected in One GramNot Detected in One GramPa	ail Qualifier

## Ahmed Munshi

Aspergillus niger

Aspergillus terreus

**Technical Laboratory Director** 

AMMunshi

Not Detected in One Gram

Not Detected in One Gram

Smithers CTS Arizona LLC 734 W Highland Avenue, 2nd Floor Phoenix, AZ 85013 (602) 806-6930

Pass

Pass



The product associated with this COA has been tested by Smithers CTS Arizona LLC, using validated state certified testing methodologies as required by Arizona state law. This COA is governed by the terms and conditions listed on: https://www.smithers.com/arizona-terms-conditions

Not Detected in One Gram

Not Detected in One Gram



LOD / LOQ (ppm)

62 / 189

26/77

0.13 / 0.38

157 / 472

4/11

38 / 113

315/943

315 / 943

315/943

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Analyte

Acetone

Benzene

Butanes

Ethanol

Ethyl acetate

Ethyl ether

Chloroform

Dichloromethane

Acetonitrile



LOD / LOQ (ppm)

315 / 943

45 / 137

315 / 943

189 / 566

315 / 943

315 / 943

57/168

274/819

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Results

(ppm)

ND

ND

ND

ND

ND

ND

ND

ND

Qualifier

License #: 00000020LCVT89602592

Limit

(ppm)

5000

290

5000

3000

5000

5000

890

2170

1

1

1

1

1

1

1

1

Residual Solvents		Sample Prep	Sample Analysis		
Residual Solv	CIICS	Batch Date: 10/16/2023 SOP: 405.AZ	Date: 10/19/2023 SOP: 405.AZ - HS-GC-MS		
HS-GC-MS	Pass	Batch Number: 155	Sample Weight: 0.053 g		

Analyte

Heptane

Hexanes

Methanol

Pentanes

Toluene

**Xylenes** 

Isopropyl acetate

2-Propanol (IPA)

Qualifier

Results

(ppm)

ND

ND

ND

ND

ND

ND

ND

ND

ND

Limit

(ppm)

1000

410

2

5000

60

600

5000

5000

5000

1

1

1

1

1

1

1

1

1

Technical Laboratory Director

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Heavy Metals		Sample Prep	Sample Analysis
Theory Protocols	•	Batch Date: 10/16/2023 SOP: 428.AZ	Date: 10/19/2023 SOP: 428.AZ - ICP-MS
ICP-MS	Pass	Batch Number: 154	Sample Weight: 0.227 g Volume: 6 mL

Analyte	LOD (ppm)	LOQ (ppm)	Dil.	Action Limit (ppm)	Results (ppm)	Qualifier
Arsenic	0.018	0.176	10	0.4	ND	
Cadmium	0.018	0.176	10	0.4	ND	
Lead	0.018	0.441	10	1	ND	
Mercury	0.018	0.088	10	0.2	ND	

nalysis
Pass

Sample Prep Batch Date: 10/16/2023 SOP: 432.AZ Batch Number: 162 Sample Analysis

Date: 10/19/2023 SOP: 424.AZ - LC-MS/MS Sample Weight: 0.571 g Volume: 12.5 mL

Analyte	LOD (ppb)	LOQ (ppb)	Dil.	Action Limit (ppb)	Results (ppb)	Qualifier	
Total Aflatoxins	3.50	8.76	1	20	ND	V1	
Aflatoxin B1	3.50	9.17	1	0	ND		
Aflatoxin B2	3.50	9.17	1	0	ND	I1, V1	
Aflatoxin G1	3.50	9.17	1	0	ND		
Aflatoxin G2	3.50	4.59	1	0	ND		
Ochratoxin A	8.76	9.17	1	20	ND	11	

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### Pesticides, Fungicides, and **Growth Regulators** Pass

LC-MS/MS

### **Sample Prep**

Batch Date: 10/16/2023 SOP: 432.AZ Batch Number: 162

### **Sample Analysis**

Date: 10/19/2023 SOP: 424.AZ - LC-MS/MS Sample Weight: 0.571 g Volume: 12.5 mL

Analyte	LOD / LOQ (ppm)	Dil.	Action Limit (ppm)	Results (ppm)	Qualifier	Analyte	LOD / LOQ (ppm)	Dil.	Action Limit (ppm)	Results (ppm)	Qualifier
Abamectin B1a	0.073 / 0.219	1	0.5	ND		Hexythiazox	0.146 / 0.438	1	1	ND	M2
Acephate	0.059 / 0.175	1	0.4	ND		Imazalil	0.029 / 0.088	1	0.2	ND	M2
Acetamiprid	0.029 / 0.088	1	0.2	ND		Imidacloprid	0.059 / 0.175	1	0.4	ND	
Aldicarb	0.059 / 0.175	1	0.4	ND		Kresoxim-methyl	0.059 / 0.175	1	0.4	ND	
Azoxystrobin	0.029 / 0.088	1	0.2	ND		Malathion	0.029 / 0.088	1	0.2	ND	
Bifenazate	0.029 / 0.088	1	0.2	ND		Metalaxyl	0.029 / 0.088	1	0.2	ND	
Bifenthrin	0.029 / 0.088	1	0.2	ND		Methiocarb	0.029 / 0.088	1	0.2	ND	
Boscalid	0.059 / 0.175	1	0.4	ND		Methomyl	0.059 / 0.175	1	0.4	ND	
Carbaryl	0.029 / 0.088	1	0.2	ND		Myclobutanil	0.029 / 0.088	1	0.2	ND	
Carbofuran	0.029 / 0.088	1	0.2	ND		Naled	0.073 / 0.219	1	0.5	ND	
Chlorantraniliprole	0.029 / 0.088	1	0.2	ND		Oxamyl	0.146 / 0.438	1	1	ND	
Chlorfenapyr	0.146 / 0.438	1	1	ND	l1, M2	Paclobutrazol	0.059 / 0.175	1	0.4	ND	
Chlorpyrifos	0.029 / 0.088	1	0.2	ND		Permethrins	0.029 / 0.088	1	0.2	ND	M2
Clofentezine	0.029 / 0.088	1	0.2	ND		Phosmet	0.029 / 0.088	1	0.2	ND	
Cyfluthrin	0.146 / 0.438	1	1	ND		Piperonyl Butoxide	0.292 / 0.876	1	2	ND	M2
Cypermethrin	0.146 / 0.438	1	1	ND	M2	Prallethrin	0.029 / 0.088	1	0.2	ND	M1
Daminozide	0.146 / 0.438	1	1	ND		Propiconazole	0.059 / 0.175	1	0.4	ND	
Diazinon	0.029 / 0.088	1	0.2	ND		Propoxur	0.029 / 0.088	1	0.2	ND	
Dichlorvos	0.015 / 0.044	1	0.1	ND		Pyrethrins	0.122 / 0.367	1	1	ND	
Dimethoate	0.029 / 0.088	1	0.2	ND		Pyridaben	0.029 / 0.088	1	0.2	ND	M2
Ethoprophos	0.029 / 0.088	1	0.2	ND		Spinosad	0.029 / 0.088	1	0.2	ND	M2
Etofenprox	0.059/0.175	1	0.4	ND		Spiromesifen	0.029 / 0.088	1	0.2	ND	
Etoxazole	0.029 / 0.088	1	0.2	ND		Spirotetramat	0.029 / 0.088	1	0.2	ND	
Fenoxycarb	0.029 / 0.088	1	0.2	ND		Spiroxamine	0.059 / 0.175	1	0.4	ND	M2
Fenpyroximate	0.059 / 0.175	1	0.4	ND		Tebuconazole	0.059 / 0.175	1	0.4	ND	
Fipronil	0.059/0.175	1	0.4	ND		Thiacloprid	0.029 / 0.088	1	0.2	ND	
Flonicamid	0.146 / 0.438	1	1	ND		Thiamethoxam	0.029 / 0.088	1	0.2	ND	
Fludioxonil	0.059 / 0.175	1	0.4	ND		Trifloxystrobin	0.029 / 0.088	1	0.2	ND	M2

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- **D1** The limit of quantitation and the sample results were adjusted to reflect sample dilution.
- 1 The relative intensity of a characteristic ion in a sample analyte exceeded the acceptance with respect to the reference spectra, indicating interference.
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- M2 The recovery from the matrix spike was low, but the recovery from the laboratory control sample was within acceptance criteria.
- M3 The recovery from the matrix spike was unusable because the analyte concentration was disproportionate to the spike level, but the recovery from the laboratory control sample was within acceptance criteria.
- M4 The analysis of a spiked sample required a dilution such that the spike recovery calculation does not provide useful information, but the recovery from the associated laboratory control sample was within acceptance criteria.
- M5 The analyte concentration was determined by the method of standard addition, in which the standard is added directly to the aliquots of the analyzed sample.
- M6 A description of the variance is described in the final report of testing according to R9-17-404.06(B)(3)(d)(ii).
- **Q1** Sample integrity was not maintained.
- Q2 The sample is heterogeneous, and sample homogeneity could not be readily achieved using routine laboratory practices.
- Q3 Testing result is for informational purposes only and cannot be used to satisfy dispensary testing requirements in R9-17-317.01(A) or labeling requirem
- R1 The relative percent difference for the laboratory control sample and duplicate exceeded the limit, but the recovery was within acceptance criteria.
- R2 The relative percent difference for a sample and duplicate exceeded the limit.
- V1 The recovery from continuing calibration verification standards exceeded the acceptance limits, but the sample's target analytes were not detected above the maximum allowable for the analytes in the sample.

#### Notes:

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