



AHD
 106 N Commercial Dr.
 Mooresville
 NC
 28115
 (704) 276-87115
 orders@ahdist.com
 Sample ID: 2310SMAZ0167.0457
 Batch #: 10



SMITHERS

CERTIFICATE OF ANALYSIS
 License #: 00000020LCVT89602592

Certificate: 1039

Hemp THCa Flower

Batch #: 10
 Strain: 00003 Cherry Cosmo
 Parent Batch #:
 Sample Collected:
 Published: 10/30/2023

Sample ID: 2310SMAZ0167.0457
 Amount Received: 5.6 g
 Sample Type: Flower - Cured
 Received: 10/18/2023

No Preview
 Available

COMPLIANCE FOR RETAIL

Regulated Analytes

Cannabinoid Profile (Q3) Tested	Microbial Contaminants Not Tested	Residual Solvents Not Tested
Pesticides, Fungicides, and Growth Regulators Pass	Mycotoxins Not Tested	Heavy Metals Pass

17.908%
Total THC

0.055%
Total CBD

ND
CBN

ND
CBG

21.577%
Total Cannabinoids (Q3)

Additional Analytes (Not Regulated)

Terpenes Total (Q3) Not Tested	Moisture Analysis (Q3) Not Tested	Water Activity (Q3) Not Tested
Filth & Foreign (Q3) Not Tested	Homogeneity (Q3) Not Tested	

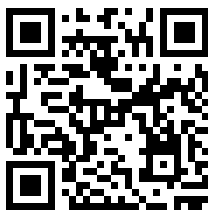
Ahmed Munshi
 Technical Laboratory Director

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



Accreditation #: 103104

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>



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Cannabinoid Profile

HPLC

Tested

Sample Prep

Batch Date: 10/18/2023
 SOP: 418.AZ
 Batch Number: 184

Sample Analysis

Date: 10/19/2023
 SOP: 417.AZ - HPLC
 Sample Weight: 0.1079 g
 Volume: 40 mL

Analyte	LOD (mg/g)	LOQ (mg/g)	Dil.	Actual % (w/w)	mg/g	Qualifier
CBC	0.119	0.362	1	ND	ND	
CBD	0.119	0.362	1	ND	ND	
CBDA	0.119	0.362	1	0.063	0.626	
CBDV	0.119	0.362	1	ND	ND	
CBG	0.119	0.362	1	ND	ND	
CBGA	0.119	0.362	1	1.242	12.417	
CBN	0.119	0.362	1	ND	ND	
d8-THC	0.119	0.362	1	ND	ND	
d9-THC	0.119	0.362	1	0.105	1.051	
THCA	0.119	0.362	1	19.221	192.215	
THCV	0.119	0.362	1	<LOQ	<LOQ	

Cannabinoid Totals	Actual % (w/w)	mg/g	Qualifier
Total THC	17.908	179.084	
Total CBD	0.055	0.549	
Total Cannabinoids	21.577	215.769	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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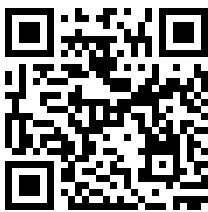


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Heavy Metals

ICP-MS **Pass**

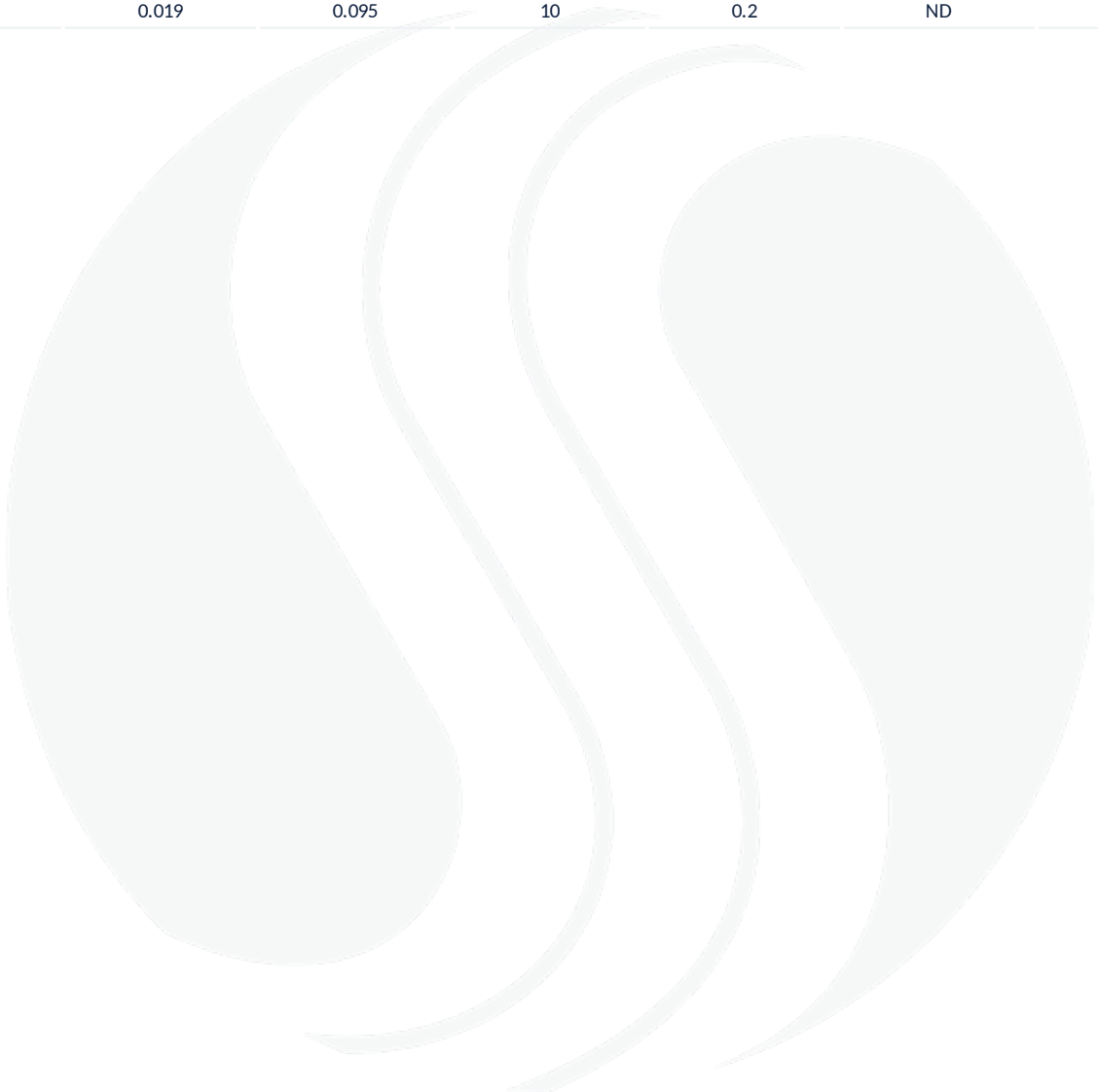
Sample Prep

Batch Date: 10/19/2023
 SOP: 428.AZ
 Batch Number: 188

Sample Analysis

Date: 10/19/2023
 SOP: 428.AZ - ICP-MS
 Sample Weight: 0.2096 g
 Volume: 6 mL

Analyte	LOD (ppm)	LOQ (ppm)	Dil.	Action Limit (ppm)	Results (ppm)	Qualifier
Arsenic	0.019	0.191	10	0.4	ND	
Cadmium	0.019	0.191	10	0.4	ND	
Lead	0.019	0.477	10	1	<LOQ	
Mercury	0.019	0.095	10	0.2	ND	



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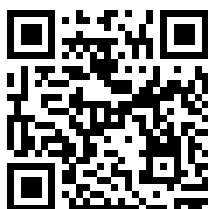


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**Pesticides, Fungicides, and
 Growth Regulators**
 LC-MS/MS **Pass**

Sample Prep

Batch Date: 10/18/2023
 SOP: 432.AZ
 Batch Number: 178

Sample Analysis

Date: 10/19/2023
 SOP: 424.AZ - LC-MS/MS
 Sample Weight: 0.5434 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	0.076 / 0.230	1	0.5	ND	I1	Hexythiazox	0.154 / 0.460	1	1	ND	M2
Acephate	0.062 / 0.184	1	0.4	ND		Imazalil	0.030 / 0.092	1	0.2	ND	
Acetamiprid	0.030 / 0.092	1	0.2	ND		Imidacloprid	0.062 / 0.184	1	0.4	ND	
Aldicarb	0.062 / 0.184	1	0.4	ND		Kresoxim-methyl	0.062 / 0.184	1	0.4	ND	
Azoxystrobin	0.030 / 0.092	1	0.2	ND		Malathion	0.030 / 0.092	1	0.2	ND	
Bifenazate	0.030 / 0.092	1	0.2	ND		Metaxalyl	0.030 / 0.092	1	0.2	ND	
Bifenthrin	0.030 / 0.092	1	0.2	ND	M2	Methiocarb	0.030 / 0.092	1	0.2	ND	M1
Boscalid	0.062 / 0.184	1	0.4	ND	M1	Methomyl	0.062 / 0.184	1	0.4	ND	
Carbaryl	0.030 / 0.092	1	0.2	ND		Myclobutanil	0.030 / 0.092	1	0.2	ND	M1
Carbofuran	0.030 / 0.092	1	0.2	ND		Naled	0.076 / 0.230	1	0.5	ND	
Chlorantraniliprole	0.030 / 0.092	1	0.2	ND	M1	Oxamyl	0.154 / 0.460	1	1	ND	
Chlorfenapyr	0.154 / 0.460	1	1	ND	I1, M1	Pacllobutrazol	0.062 / 0.184	1	0.4	ND	M1
Chlorpyrifos	0.030 / 0.092	1	0.2	ND	M2	Permethrins	0.030 / 0.092	1	0.2	ND	I1, M2
Clofentezine	0.030 / 0.092	1	0.2	ND		Phosmet	0.030 / 0.092	1	0.2	ND	
Cyfluthrin	0.154 / 0.460	1	1	ND		Piperonyl Butoxide	0.306 / 0.920	1	2	ND	M2
Cypermethrin	0.154 / 0.460	1	1	ND	M2	Prallethrin	0.030 / 0.092	1	0.2	ND	
Daminozide	0.154 / 0.460	1	1	ND		Propiconazole	0.062 / 0.184	1	0.4	ND	
Diazinon	0.030 / 0.092	1	0.2	ND		Propoxur	0.030 / 0.092	1	0.2	ND	
Dichlorvos	0.016 / 0.046	1	0.1	ND		Pyrethrins	0.129 / 0.386	1	1	ND	I1, M1
Dimethoate	0.030 / 0.092	1	0.2	ND		Pyridaben	0.030 / 0.092	1	0.2	ND	M2
Ethoprophos	0.030 / 0.092	1	0.2	ND		Spinosad	0.030 / 0.092	1	0.2	ND	M2
Etofenprox	0.062 / 0.184	1	0.4	ND		Spiromesifen	0.030 / 0.092	1	0.2	ND	
Etoxazole	0.030 / 0.092	1	0.2	ND		Spirotetramat	0.030 / 0.092	1	0.2	ND	
Fenoxycarb	0.030 / 0.092	1	0.2	ND		Spiroxamine	0.062 / 0.184	1	0.4	ND	
Fenpyroximate	0.062 / 0.184	1	0.4	ND	M2	Tebuconazole	0.062 / 0.184	1	0.4	ND	
Fipronil	0.062 / 0.184	1	0.4	ND		Thiacloprid	0.030 / 0.092	1	0.2	ND	
Fonicamid	0.154 / 0.460	1	1	ND		Thiamethoxam	0.030 / 0.092	1	0.2	ND	
Fludioxonil	0.062 / 0.184	1	0.4	ND	M1	Trifloxystrobin	0.030 / 0.092	1	0.2	ND	M2

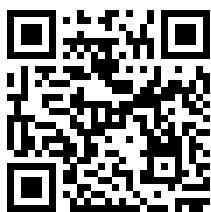
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Qualifier Legend

- 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.
- I1** The relative intensity of a characteristic ion in a sample analyte exceeded the acceptance with respect to the reference spectra, indicating interference.
- L1** 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 requirements in R9-17-317.
- 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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