

Certificate of Analysis

Sample Name: Dirty Shirley
Client: Cali Sober Inc.
Sample Code: HEM-260320-004
Matrix Name: Beverage
Type / Result: Compliance - N/A



Received Date: Mon, Mar 23, 2026
Published Date: Fri, Mar 27, 2026
Revision Date: Mon, Mar 30, 2026
Batch/Lot Code: NA
Batch Size: N/A
Sample Size: 3 U
Average Unit Weight: 355 g

RESULT SUMMARY

Total THC	8.32 mg/serv
Total Cannabinoids	8.32 mg/serv
Total CBD	0 mg/serv

POT Cannabinoids Potency	ASP Aspergillus qPCR	SAL Salmonella spp. qPCR	ECOLI Total Coliforms & E. coli Plate	TAMC Total Aerobic Bacteria Plate
COOX Dissolved CO2 & O2 Liquids	PH pH	TYMFD Total Yeast & Mold Plate	HPMET Heavy Metals Expanded 7	CAPLC Chemical Residue National Panel
CAPGC Chemical Residue National Panel	SOLHM Residual Solvents National Panel	BRXR Brix of Liquids Refractometer		

Approvals

RESULTS REVIEWED BY:

Leslie Nagy

Leslie Nagy
Laboratory Director

Cambium Analytica
Fri, Mar 27, 2026

RESULTS CERTIFIED BY:

Douglas Smith

Douglas Smith
VP - Scientific
Operations

Cambium Analytica
Fri, Mar 27, 2026

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POT

Cannabinoids - Potency

LAB-TM-025 - Determination of Potency of Cannabis and Cannabis Infused Products

POT-HEM-260320-004-02 - WED, MAR 25, 2026

Analyte	Value	Value (mg)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Delta-9 THC	0.0023 %	0.0234 mg/g	8.32 mg	8.32 mg	N/A	0.0005 mg/g	0.001 mg/g	N / A
(6aR,9R)-Delta-10 THC*	ND	N/A	N/A	N/A	N/A	0.0005 mg/g	0.001 mg/g	N / A
(6aR,9S)-Delta-10 THC	ND	N/A	N/A	N/A	N/A	0.0005 mg/g	0.001 mg/g	N / A
CBC	ND	N/A	N/A	N/A	N/A	0.0005 mg/g	0.001 mg/g	N / A
CBD	ND	N/A	N/A	N/A	N/A	0.0005 mg/g	0.001 mg/g	N / A
CBDA	ND	N/A	N/A	N/A	N/A	0.0005 mg/g	0.001 mg/g	N / A
CBDV	ND	N/A	N/A	N/A	N/A	0.0005 mg/g	0.001 mg/g	N / A
CBG	<LOQ	N/A	N/A	N/A	N/A	0.0005 mg/g	0.001 mg/g	N / A
CBGA	ND	N/A	N/A	N/A	N/A	0.0005 mg/g	0.001 mg/g	N / A
CBN	ND	N/A	N/A	N/A	N/A	0.0005 mg/g	0.001 mg/g	N / A
Delta-8 THC	ND	N/A	N/A	N/A	N/A	0.0005 mg/g	0.001 mg/g	N / A
Delta-8 THCV	ND	N/A	N/A	N/A	N/A	0.0005 mg/g	0.001 mg/g	N / A
THCA	ND	N/A	N/A	N/A	N/A	0.0005 mg/g	0.001 mg/g	N / A
Delta-9 THCV	ND	N/A	N/A	N/A	N/A	0.0005 mg/g	0.001 mg/g	N / A
Delta-9 THC + Delta-8 THC	0.0023 %	0.0234 mg/g	8.32 mg	8.32 mg	N/A	N/A	N/A	N / A
Total THC*	0.0023 %	0.0234 mg/g	8.32 mg	8.32 mg	N/A	N/A	N/A	N / A
Total Cannabinoids*	0.0023 %	0.0234 mg/g	8.32 mg	8.32 mg	N/A	N/A	N/A	N / A
Total CBD*	0 %	0 mg/g	0 mg	0 mg	N/A	N/A	N/A	N / A
Total THCV*	0 %	0 mg/g	0 mg	0 mg	N/A	N/A	N/A	N / A

* Total THC is calculated as the sum of Delta-9 THC, Delta-8 THC, and 0.877*(THCA).

* Total Cannabinoids is calculated as the sum of all quantified cannabinoids.

* Total CBD is calculated as the sum of CBD and 0.877*(CBDA).

* Total THCV is calculated as the sum of Delta-8 THCV and Delta-9 THCV.

ASP

Aspergillus - qPCR

LAB-TM-006 - Microbial Analysis by qPCR

ASP-HEM-260320-004-01 - THU, MAR 26, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Aspergillus Flavus	ND	N/A	N/A	N/A	N / A
Aspergillus Fumigatus	ND	N/A	N/A	N/A	N / A
Aspergillus Niger	ND	N/A	N/A	N/A	N / A
Aspergillus Spp	ND	N/A	N/A	N/A	N / A
Aspergillus Terreus	ND	N/A	N/A	N/A	N / A

SAL

Salmonella spp. - qPCR - 25g

LAB-TM-063 - Detection of Presumptive Salmonella spp. in Foods and Dietary Supplements

SAL-HEM-260320-004-01 - WED, MAR 25, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Salmonella spp.	ND	N/A	N/A	N/A	N / A

References: USP <62> - Vendor Modified, USP <2022> - Vendor Modified, USP <1223>, AOAC PTM 121802, AOAC OMA 2020.02

ECOLI

Total Coliforms & E. coli - Plate - 25g - Full Range

LAB-TM-059 - Enumeration of Escherichia coli and Total Coliform in Foods and Dietary Supplements

ECOLI-HEM-260320-004-01 - WED, MAR 25, 2026



Analyte	Value	Action Limit	LOD	LOQ	Status
E. coli	ND	N/A	10 CFU/g	10 CFU/g	N / A
Total Coliforms	ND	N/A	10 CFU/g	10 CFU/g	N / A

References: USP <61> - Vendor Modified, USP <201> - Vendor Modified, USP <1223>, AOAC PTM 051801, AOAC OMA 2018.13

TAMC

Total Aerobic Bacteria - Plate - 25g - Full Range

LAB-TM-060 - Enumeration of Total Aerobic Count in Foods and Dietary Supplements

TAMC-HEM-260320-004-01 - WED, MAR 25, 2026



Analyte	Value	Action Limit	LOD	LOQ	Status
Total Aerobic Count	ND	N/A	10 CFU/g	10 CFU/g	N / A

References: USP <61> - Vendor Modified, USP <1223>, AOAC PTM 121403, AOAC OMA 2015.13

COOX

Dissolved CO2 & O2 - Liquids

LAB-TM-020 - Determination of Carbon Dioxide and Dissolved Oxygen in Beverages

COOX-HEM-260320-004-01 - WED, MAR 25, 2026



Analyte	Value	Action Limit	LOD	LOQ	Status
Dissolved Carbon Dioxide	2.91 vol	N/A	N/A	N/A	N / A
Dissolved Oxygen	70.9 ug/kg	N/A	N/A	N/A	N / A

PH

pH

LAB-TM-018 - Determination of pH

PH-HEM-260320-004-01 - WED, MAR 25, 2026



Analyte	Value	Action Limit	LOD	LOQ	Status
pH	2.53	N/A	N/A	N/A	N / A

TYMFD

Total Yeast & Mold - Plate - 25g - Full Range

LAB-TM-061 - Enumeration of Yeast and Mold in Foods and Dietary Supplements

TYMFD-HEM-260320-004-01 - THU, MAR 26, 2026



Analyte	Value	Action Limit	LOD	LOQ	Status
Total Mold	ND	N/A	10 CFU/g	10 CFU/g	N / A
Total Yeast	ND	N/A	10 CFU/g	10 CFU/g	N / A
Total Yeast and Mold*	ND	N/A	10 CFU/g	10 CFU/g	N / A

* Total Yeast and Mold is calculated as the sum of Total Yeast and Total Mold
References: USP <61> - Vendor Modified, USP <1223>, AOAC PTM 121301, AOAC OMA 2014.05

HPMET

Heavy Metals - Expanded 7

LAB-TM-044 - Determination of Heavy Metals by ICP-MS

HPMET-HEM-260320-004-01 - WED, MAR 25, 2026



Analyte	Value	Value (mg)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Arsenic*	<LOQ	N/A	N/A	N/A	N/A	5.148 ug/kg	26.001 ug/kg	N / A
Cadmium*	ND	N/A	N/A	N/A	N/A	1.092 ug/kg	6.5 ug/kg	N / A
Chromium	ND	N/A	N/A	N/A	N/A	5.304 ug/kg	6.5 ug/kg	N / A
Copper	0.016 ug/g	0 mg/g	5.6 ug	5.6 ug	N/A	1.924 ug/kg	13.001 ug/kg	N / A
Lead*	ND	N/A	N/A	N/A	N/A	0.832 ug/kg	6.5 ug/kg	N / A
Mercury*	ND	N/A	N/A	N/A	N/A	0.312 ug/kg	0.65 ug/kg	N / A
Nickel	ND	N/A	N/A	N/A	N/A	2.392 ug/kg	6.5 ug/kg	N / A

References: USP <233>, USP <730>, USP <1730>

CAPLC

Chemical Residue - National Panel - LC-TQ
ANA-TM-105 - Determination of Chemical Residue by LC-TQ - National Panel
CAPLC-HEM-260320-004-01 - TUE, MAR 24, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Abamectin	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Acephate	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Acequinocyl	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Acetamiprid	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Aldicarb	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Azoxystrobin	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Bifenazate	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Bifenthrin	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Boscalid	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Carbaryl	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Carbofuran	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Chlorantraniliprole	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Chlormequat Chloride	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Chlorpyrifos	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Clofentezine	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Coumaphos	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Cyfluthrin	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Cypermethrin	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Daminozide	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Diazinon	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Dichlorvos	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Dimethoate	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Dimethomorph I*	ND	N/A	0.026 ug/g	0.052 ug/g	N / A
Dimethomorph II*	ND	N/A	0.036 ug/g	0.072 ug/g	N / A
Ethoprophos	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Etofenprox	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Etoxazole	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Fenhexamid	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Fenoxycarb	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Fenpyroximate	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Fipronil	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Flonicamid	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Fludioxonil	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Hexythiazox	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Imazalil	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Imidacloprid	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Kresoxim-methyl	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
MGK-264	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Malathion	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Metalaxyl	ND	N/A	0.063 ug/g	0.125 ug/g	N / A

CAPLC

Chemical Residue - National Panel - LC-TQ

ANA-TM-105 - Determination of Chemical Residue by LC-TQ - National Panel

CAPLC-HEM-260320-004-01 - TUE, MAR 24, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Methiocarb	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Methomyl	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Mevinphos	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Myclobutanil	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Naled	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Oxamyl	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Paclobutrazol	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Permethrins (Sum of cis-Permethrin and trans-Permethrin)*	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Phosmet	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Piperonyl Butoxide	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Prallethrin	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Propiconazole	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Propoxur	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Pyrethrins Cinerin I	ND	N/A	0.002 ug/g	0.004 ug/g	N / A
Pyrethrins Cinerin II*	ND	N/A	0.001 ug/g	0.002 ug/g	N / A
Pyrethrins Jasmolin I	ND	N/A	0.002 ug/g	0.004 ug/g	N / A
Pyrethrins Jasmolin II	ND	N/A	0.002 ug/g	0.004 ug/g	N / A
Pyrethrins Pyrethrin I	ND	N/A	0.034 ug/g	0.069 ug/g	N / A
Pyrethrins Pyrethrin II	ND	N/A	0.021 ug/g	0.043 ug/g	N / A
Pyridaben	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Spinetoram J	ND	N/A	0.046 ug/g	0.092 ug/g	N / A
Spinetoram L	ND	N/A	0.016 ug/g	0.032 ug/g	N / A
Spinosad A	ND	N/A	0.048 ug/g	0.095 ug/g	N / A
Spinosad D	ND	N/A	0.015 ug/g	0.03 ug/g	N / A
Spiromesifen	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Spirotetramat	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Spiroxamine	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Tebuconazole	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Thiacloprid	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Thiamethoxam	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Trifloxystrobin	ND	N/A	0.063 ug/g	0.125 ug/g	N / A
Total Dimethomorphs*	0 ug/g	N/A	N/A	N/A	N / A
Total Pyrethrins*	0 ug/g	N/A	N/A	N/A	N / A
Total Spinetorams*	0 ug/g	N/A	N/A	N/A	N / A
Total Spinosads*	0 ug/g	N/A	N/A	N/A	N / A

* Total Dimethomorphs is calculated as the sum of Dimethomorph I and Dimethomorph II.

* Total Pyrethrins is calculated as the sum of Cinerin I, Cinerin II, Jasmolin I, Jasmolin II, Pyrethrin I, and Pyrethrin II.

* Total Spinetorams is calculated as the sum of Spinetoram J and Spinetoram L.

* Total Spinosads is calculated as the sum of Spinosad A and Spinosad D.

CAPGC

Chemical Residue - National Panel - GC-TQ
ANA-TM-109 - Determination of Chemical Residue by GC-TQ - National Panel
CAPGC-HEM-260320-004-01 - TUE, MAR 24, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Captan	ND	N/A	0.03 ug/g	0.102 ug/g	N / A
Chlorfenapyr	ND	N/A	0.015 ug/g	0.048 ug/g	N / A
Parathion-methyl	ND	N/A	0.008 ug/g	0.021 ug/g	N / A
Pentachloronitrobenzene (Quintozene)	ND	N/A	0.012 ug/g	0.041 ug/g	N / A
cis-Chlordane	ND	N/A	0.004 ug/g	0.013 ug/g	N / A
trans-Chlordane	ND	N/A	0.003 ug/g	0.011 ug/g	N / A
Total Chlordanes*	0 ug/g	N/A	N/A	N/A	N / A

* Total Chlordanes is calculated as the sum of cis-Chlordane and trans-Chlordane.

SOLHM

Residual Solvents - National Panel
ANA-TM-053 - Determination of Residual Solvents
SOLHM-HEM-260320-004-02 - WED, MAR 25, 2026



Analyte	Value	Action Limit	LOD	LOQ	Status
1,1-Dichloroethene	ND	N/A	5 ug/g	10 ug/g	N / A
1,2-Dichloroethane	ND	N/A	0.5 ug/g	1 ug/g	N / A
2,2-Dimethylbutane	ND	N/A	5 ug/g	10 ug/g	N / A
2,3-Dimethylbutane	ND	N/A	5 ug/g	10 ug/g	N / A
2-Methylbutane	ND	N/A	5 ug/g	10 ug/g	N / A
2-Methylpentane	ND	N/A	5 ug/g	10 ug/g	N / A
3-Methylpentane	ND	N/A	5 ug/g	10 ug/g	N / A
Acetone	ND	N/A	5 ug/g	10 ug/g	N / A
Acetonitrile	ND	N/A	5 ug/g	10 ug/g	N / A
Benzene	ND	N/A	0.18 ug/g	0.5 ug/g	N / A
Butane	ND	N/A	5 ug/g	10 ug/g	N / A
Chloroform	ND	N/A	0.78 ug/g	1 ug/g	N / A
Ethanol	1180.584 ug/g	N/A	5 ug/g	10 ug/g	N / A
Ethyl Acetate	ND	N/A	5 ug/g	10 ug/g	N / A
Ethyl Ether	ND	N/A	5 ug/g	10 ug/g	N / A
Ethylene Oxide	ND	N/A	2 ug/g	4 ug/g	N / A
Heptane	ND	N/A	5 ug/g	10 ug/g	N / A
Hexane	ND	N/A	5 ug/g	10 ug/g	N / A
Isobutane	ND	N/A	5 ug/g	10 ug/g	N / A
Isopropyl Alcohol	ND	N/A	5 ug/g	10 ug/g	N / A
Methanol	ND	N/A	5 ug/g	10 ug/g	N / A
Methylene Chloride	ND	N/A	5 ug/g	10 ug/g	N / A
Neopentane	ND	N/A	5 ug/g	10 ug/g	N / A
Pentane	ND	N/A	5 ug/g	10 ug/g	N / A
Propane	ND	N/A	5 ug/g	10 ug/g	N / A
Toluene	ND	N/A	5 ug/g	10 ug/g	N / A
Total Xylenes	ND	N/A	5 ug/g	10 ug/g	N / A
Trichloroethylene	ND	N/A	0.5 ug/g	1 ug/g	N / A
Total Butanes*	0 ug/g	N/A	N/A	N/A	N / A

* Total Butanes is calculated as the sum of Butane and Isobutane
References: Modified USP <467>

SOLHM Residual Solvents - National Panel ANA-TM-053 - Determination of Residual Solvents SOLHM-HEM-260320-004-02 - WED, MAR 25, 2026 					
Analyte	Value	Action Limit	LOD	LOQ	Status
Total Hexanes*	0 ug/g	N/A	N/A	N/A	N / A
Total Pentanes*	0 ug/g	N/A	N/A	N/A	N / A
* Total Hexanes is calculated as the sum of Hexane, 2,2-Dimethylbutane, 2,3-Dimethylbutane, 2-Methylpentane, and 3-Methylpentane. * Total Pentanes is calculated as the sum of Pentane, 2-Methylbutane, and Neopentane. References: Modified USP <467>					

BRXRX Brix of Liquids - Refractometer LAB-TM-017 - Brix & Density Analysis BRXRX-HEM-260320-004-01 - WED, MAR 25, 2026					
Analyte	Value	Action Limit	LOD	LOQ	Status
Brix	5 bx	N/A	N/A	N/A	N / A