

Certificate of Analysis

Sample Name: Ranch Water
Client: Cali Sober Inc.
Sample Code: HEM-250609-003
Matrix Name: Beverage
Type / Result: Compliance - Pass



Received Date: Mon, Jun 16, 2025
Published Date: Fri, Jun 20, 2025
Batch/Lot Code: 25155
Batch Size: 12oz
Sample Size: 1107.69g
Average Unit Weight: 355.68g

RESULT SUMMARY

Total Cannabinoids	5.39 mg /serv
Total THC	5.39 mg /serv
Total CBD	0 mg /serv

POT Cannabinoids Potency ✓	SOL Residual Solvents USP <467> ✓	ASP Aspergillus qPCR ✓	SAL Salmonella qPCR ✓	ECOLI Total Coliforms & E. coli Plate ✓
TAMC Total Aerobic Bacteria Plate ✓	BRX Brix of Liquids ✓	COOX Dissolved CO2 & O2 Liquids ✓	PH pH ✓	TYMFD Total Yeast & Mold Plate ✓
HPMET Heavy Metals Expanded 7 ✓	CAPLC Chemical Residue CA Hemp ✓	CAPGC Chemical Residue CA Hemp ✓		

Approvals

RESULTS REVIEWED BY:

Leslie Varela
Laboratory Director

Cambium Analytica
Friday, Jun 20, 2025

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific
Operations

Cambium Analytica
Friday, Jun 20, 2025

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Address: 1230 Woodmere Ave, Traverse City, MI 49686 Phone: 231.252.3669



POT

Cannabinoids - Potency

LAB-TM-025 - Determination of Potency of Cannabis and Cannabis Infused Products
 POT-HEM-250609-003-01 - WED, JUN 18, 2025



Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Delta-9 THC	0.0015 %	0.0152 mg/g	5.39 mg	5.39 mg	N/A	0.5 ug/g	1 ug/g	N/A
(6aR,9R)-Delta-10 THC	ND	N/A	N/A	N/A	N/A	0.5 ug/g	1 ug/g	N/A
(6aR,9S)-Delta-10 THC	ND	N/A	N/A	N/A	N/A	0.5 ug/g	1 ug/g	N/A
CBC	ND	N/A	N/A	N/A	N/A	0.5 ug/g	1 ug/g	N/A
CBD	ND	N/A	N/A	N/A	N/A	0.5 ug/g	1 ug/g	N/A
CBDA	ND	N/A	N/A	N/A	N/A	0.5 ug/g	1 ug/g	N/A
CBDV	ND	N/A	N/A	N/A	N/A	0.5 ug/g	1 ug/g	N/A
CBG	<LOQ	N/A	N/A	N/A	N/A	0.5 ug/g	1 ug/g	N/A
CBGA	ND	N/A	N/A	N/A	N/A	0.5 ug/g	1 ug/g	N/A
CBN	<LOQ	N/A	N/A	N/A	N/A	0.5 ug/g	1 ug/g	N/A
Delta-8 THC	ND	N/A	N/A	N/A	N/A	0.5 ug/g	1 ug/g	N/A
Delta-8 THCV	ND	N/A	N/A	N/A	N/A	0.5 ug/g	1 ug/g	N/A
Delta-9 THCV	ND	N/A	N/A	N/A	N/A	0.5 ug/g	1 ug/g	N/A
THCA	ND	N/A	N/A	N/A	N/A	0.5 ug/g	1 ug/g	N/A
Delta-9 THC + Delta-8 THC	0.0015 %	0.0152 mg/g	5.39 mg	5.39 mg	N/A	N/A	N/A	N/A
Total Cannabinoids*	0.0015 %	0.0152 mg/g	5.39 mg	5.39 mg	N/A	N/A	N/A	N/A
Total THC*	0.0015 %	0.0152 mg/g	5.39 mg	5.39 mg	N/A	N/A	N/A	N/A
Total CBD*	0.0000 %	0.0000 mg/g	0 mg	0 mg	N/A	N/A	N/A	N/A
Total THCV*	0.0000 %	0.0000 mg/g	0 mg	0 mg	N/A	N/A	N/A	N/A

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

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

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.



SOL

Residual Solvents - USP <467>

LAB-TM-004 - Determination of Residual Solvents

SOL-HEM-250609-003-01 - WED, JUN 18, 2025



Analyte	Value	Action Limit	LOD	LOQ	Status
1,2-Dichloroethane	ND	N/A	0.4 ug/g	1.00 ug/g	N/A
2-Methylbutane	ND	N/A	1.54 ug/g	5.14 ug/g	N/A
2-Methylpentane	ND	N/A	5.02 ug/g	10.05 ug/g	N/A
2,2-Dimethylbutane	ND	N/A	0.98 ug/g	3.27 ug/g	N/A
2,3-Dimethylbutane	ND	N/A	2.19 ug/g	7.32 ug/g	N/A
3-Methylpentane	ND	N/A	5.02 ug/g	10.05 ug/g	N/A
Acetone	ND	N/A	10.5 ug/g	31.25 ug/g	N/A
Acetonitrile	ND	N/A	5.15 ug/g	10.25 ug/g	N/A
Benzene	ND	N/A	0.18 ug/g	0.50 ug/g	N/A
Butane	ND	N/A	1.68 ug/g	5.59 ug/g	N/A
Chloroform	ND	N/A	0.78 ug/g	1.00 ug/g	N/A
Ethanol	775.811 ug/g	N/A	15.6 ug/g	31.8 ug/g	N/A
Ethyl Acetate	ND	N/A	1.95 ug/g	6.49 ug/g	N/A
Ethyl Ether	ND	N/A	1.37 ug/g	4.55 ug/g	N/A
Ethylene Oxide	ND	N/A	0.15 ug/g	0.49 ug/g	N/A
Heptane	ND	N/A	1.31 ug/g	4.37 ug/g	N/A
Hexane	ND	N/A	1.42 ug/g	4.74 ug/g	N/A
Isobutane	ND	N/A	1.6 ug/g	5.34 ug/g	N/A
Isopropyl Alcohol	ND	N/A	10.93 ug/g	30.24 ug/g	N/A
Methanol	56.850 ug/g	N/A	10.2 ug/g	30.6 ug/g	N/A
Methylene Chloride	ND	N/A	1.36 ug/g	4.53 ug/g	N/A
Neopentane	ND	N/A	1.49 ug/g	4.97 ug/g	N/A
Pentane	ND	N/A	1.46 ug/g	4.87 ug/g	N/A
Propane	ND	N/A	1.95 ug/g	6.51 ug/g	N/A
Toluene	ND	N/A	12.5 ug/g	25.2 ug/g	N/A
Total Xylenes	ND	N/A	10.25 ug/g	30.75 ug/g	N/A
Trichloroethylene	ND	N/A	0.29 ug/g	0.96 ug/g	N/A
Butanes (Sum of Butane and Isobutane)	0.000 ug/g	N/A	N/A	N/A	N/A
Hexanes (Sum of Hexane, 2,2-Dimethylbutane, 2,3-Dimethylbutane, 2-Methylpentane, and 3-Methylpentane)	0.000 ug/g	N/A	N/A	N/A	N/A
Pentanes (Sum of Pentane, 2-Methylbutane, and Neopentane)	0.000 ug/g	N/A	N/A	N/A	N/A



ASP

Aspergillus - qPCR

LAB-TM-006 - Microbial Analysis by qPCR

ASP-HEM-250609-003-01 - THU, JUN 19, 2025



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 - qPCR - 25g

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

SAL-HEM-250609-003-01 - WED, JUN 18, 2025



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

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-250609-003-01 - WED, JUN 18, 2025



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

TAMC

Total Aerobic Bacteria - Plate - 25g - Full Range

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

TAMC-HEM-250609-003-01 - WED, JUN 18, 2025



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

BRX

Brix of Liquids

LAB-TM-017 - Brix & Density Analysis

BRX-HEM-250609-003-01 - WED, JUN 18, 2025

Analyte	Value	Action Limit	LOD	LOQ	Status
Brix	1.0 bx	N/A	N/A	N/A	N/A

COOX

Dissolved CO2 & O2 - Liquids

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

COOX-HEM-250609-003-01 - WED, JUN 18, 2025



Analyte	Value	Action Limit	LOD	LOQ	Status
Dissolved Carbon Dioxide	2.61 vol	N/A	N/A	N/A	N/A
Dissolved Oxygen	3363.5 ug/kg	N/A	N/A	N/A	N/A



PH

pH

LAB-TM-018 - Determination of pH
PH-HEM-250609-003-01 - WED, JUN 18, 2025



Analyte	Value	Action Limit	LOD	LOQ	Status
pH	2.839	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-250609-003-01 - THU, JUN 19, 2025



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

HPMET

Heavy Metals - Expanded 7

LAB-TM-044 - Determination of Heavy Metals by ICP-MS
HPMET-HEM-250609-003-01 - WED, JUN 18, 2025



Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Arsenic	ND	N/A	N/A	N/A	N/A	0.509 ug/kg	2.062 ug/kg	N/A
Cadmium	<LOQ	N/A	N/A	N/A	N/A	0.256 ug/kg	0.509 ug/kg	N/A
Chromium	ND	N/A	N/A	N/A	N/A	0.259 ug/kg	0.509 ug/kg	N/A
Copper	0.023 ug/g	0.000 mg/g	8.02 ug	8.02 ug	N/A	0.255 ug/kg	1.015 ug/kg	N/A
Lead	<LOQ	N/A	N/A	N/A	N/A	0.255 ug/kg	0.515 ug/kg	N/A
Mercury	0.000 ug/g	0.000 mg/g	0.05 ug	0.05 ug	N/A	0.025 ug/kg	0.057 ug/kg	N/A
Nickel	0.002 ug/g	0.000 mg/g	0.73 ug	0.73 ug	N/A	0.251 ug/kg	1.071 ug/kg	N/A



CAPLC

Chemical Residue - CA Hemp - LC/TQ

LAB-TM-105 - Determination of Chemical Residue by LC-TQ - California Residual Pesticide List
 CAPLC-HEM-250609-003-01 - WED, JUN 18, 2025

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
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	0.313 ug/g	0.625 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	ND	N/A	0.063 ug/g	0.125 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
Fonicamid	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



CAPLC

Chemical Residue - CA Hemp - LC/TQ

LAB-TM-105 - Determination of Chemical Residue by LC-TQ - California Residual Pesticide List
 CAPLC-HEM-250609-003-01 - WED, JUN 18, 2025

Analyte	Value	Action Limit	LOD	LOQ	Status
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
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- 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 (Sum of Cinerin 1, Jasmolin 1, and Pyrethrin 1)	ND	N/A	0.063 ug/g	0.125 ug/g	N/A
Pyridaben	ND	N/A	0.063 ug/g	0.125 ug/g	N/A
Spinetoram	ND	N/A	0.063 ug/g	0.125 ug/g	N/A
Spinosad	ND	N/A	0.063 ug/g	0.125 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



CAPGC

Chemical Residue - CA Hemp - GC/TQ

LAB-TM-109 - Determination of Chemical Residue by GC-TQ - California Residual Pesticide List
CAPGC-HEM-250609-003-01 - WED, JUN 18, 2025

Analyte	Value	Action Limit	LOD	LOQ	Status
Captan	ND	N/A	0.030 ug/g	0.102 ug/g	N/A
Chlordane-cis	ND	N/A	0.004 ug/g	0.013 ug/g	N/A
Chlordane-trans	ND	N/A	0.003 ug/g	0.011 ug/g	N/A
Chlorfenapyr	ND	N/A	0.014 ug/g	0.048 ug/g	N/A
Methyl Parathion	ND	N/A	0.008 ug/g	0.022 ug/g	N/A
Pentachloronitrobenzene	ND	N/A	0.012 ug/g	0.041 ug/g	N/A
Chlordane (Sum of -Cis, Trans)	0.000 ug/g	N/A	N/A	N/A	N/A

