Certificate of Analysis

3520 N 7th St.
Phoenix, AZ 85014
(480) 788-6644
www.desertvalleytesting.com

Batch

2815 S 5th Ct
Milwaukee, WI 53207
(262) 364-6940

Laboratory Number: 2312018-09

Batch #: 89090D
Sample Received:12/8/2023; Report Created: 12/15/2023

Gold Reserve Tincture
Ingestible

Sample Image

Cannabinoid (HPLC) Analyzed: 12/14/23 By: MLC

Compound	LOQ %	mg/mL	mg/unit	%
THC-A	0.00394	ND	ND	ND
delta 9-THC	0.00394	1.9215	54.76	0.19215
delta 8-THC	0.00394	ND	ND	ND
THC-V	0.00394	0.2343	6.678	0.02343
CBG-A	0.00394	ND	ND	ND
CBD-A	0.00394	ND	ND	ND
CBD	0.19681	135.98	3875.4	13.598
CBD-V	0.00394	1.1086	31.60	0.11086
CBN	0.00394	0.6100	17.39	0.06100
CBG	0.19681	67.010	1909.8	6.7010
CBC	0.00394	2.2238	63.38	0.22238
delta 8 THC-V	0.00394	ND	ND	ND

1.9215 mg/mL 54.76 mg/unit 0.19215 %	135.9800 mg/mL 3875.40 mg/unit 13.59800 %	209.0900 mg/mL 5959.00 mg/unit 20.90900%
Total THC	**Total CBD**	**Total Cannabinoids**

Total THC = THCa * 0.877 + delta 9-THC; Total CBD = CBDa * 0.877 + CBD

70.77 : 1	Not Tested	Not Tested
CBD to THC Ratio	**Water Activity**	**Moisture**

Terpenes (GCMS-MS) Analyzed: By:

Compound	mg/mL	%
alpha-Bisabolol	NT	NT
(-)-Borneol and (+)-Borneol	NT	NT
Camphene	NT	NT
Camphor	NT	NT
beta-Caryophyllene	NT	NT
trans-Caryophyllene	NT	NT
Caryophyllene Oxide	NT	NT
alpha-Cedrene	NT	NT
Cedrol	NT	NT
Endo-fenchyl Alcohol	NT	NT
Eucalyptol	NT	NT
Fenchone	NT	NT
Geraniol	NT	NT
Geranyl acetate	NT	NT
Guaiol	NT	NT
Hexahydrothymol	NT	NT
alpha-Humulene	NT	NT
Isoborneol	NT	NT
Isopulegol	NT	NT
Limonene	NT	NT
Linalool	NT	NT
p-Mentha-1,5-diene	NT	NT
beta-Myrcene	NT	NT
trans-Nerolidol	NT	NT
Ocimene	NT	NT
alpha-Pinene	NT	NT
beta-Pinene	NT	NT
Pulegone	NT	NT
Sabinene	NT	NT
Sabinene Hydrate	NT	NT
gamma-Terpinene	NT	NT
alpha-Terpinene	NT	NT
3-Carene	NT	NT
Terpineol	NT	NT
Terpinolene	NT	NT
Valencene	NT	NT
Nerol	NT	NT
cis-Nerolidol	NT	NT
Total Terpenes	NT	NT

Safety

Not Tested	Not Tested	Not Tested	Not Tested	Not Tested
Pesticides	**Microbials**	**Residual Solvents**	**Metals**	**pH**

RL = Reporting Limit
NA = Not Applicable
NT = Not Tested
ND = Non Detected
LOQ = Limit of Quantification

Erin Polly
Technical Laboratory Director

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY

SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Prepared for:
BATCH
2815 S 5th Ct
Milwaukee, WI USA 53207

BATCH Labs Full Spectrum Distillate

Batch ID or Lot Number:	Test:	Reported:	USDA License:
112823-02	**Heavy Metals**	**06Dec2023**	NA
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000263219	06Dec2023	NA
	Method(s):	Received:	Status:
	TM19 (ICP-MS): Heavy Metals	30Nov2023	NA

Heavy Metals

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Arsenic	0.05 - 4.61	ND	
Cadmium	0.05 - 4.52	ND	
Mercury	0.05 - 4.50	ND	
Lead	0.05 - 4.79	ND	

Final Approval

Sam Smith
06Dec2023
02:47:00 PM MST
PREPARED BY / DATE

Karen Winternheimer
06Dec2023
02:52:00 PM MST
APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/d21e685e-7bec-440a-b399-c0bc770f733e

Definitions
ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

Cert #4329.02
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Prepared for:
BATCH
2815 S 5th Ct
Milwaukee, WI USA 53207

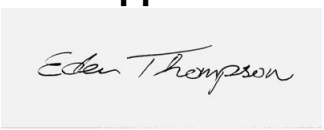
BATCH Labs Full Spectrum Distillate

Batch ID or Lot Number:	Test:	Reported:	USDA License:
112823-02	**Microbial Contaminants**	**04Dec2023**	NA
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000263218	01Dec2023	NA
	Method(s):	Received:	Status:
	TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	30Nov2023	NA

Microbial Contaminants

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10^0 CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
Salmonella	TM25: PCR	10^0 CFU/25g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10^1 CFU/g	$1.0x10^2$ - $1.5x10^4$	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10^2 CFU/g	$1.0x10^3$ - $1.5x10^5$	None Detected	
Total Coliforms*	TM27: Culture Plating	10^1 CFU/g	$1.0x10^2$ - $1.5x10^4$	None Detected	

Final Approval



Eden Thompson-Wright
04Dec2023
02:06:00 PM MST

PREPARED BY / DATE

Brianne Maillot
04Dec2023
03:16:00 PM MST

APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/ea332212-9034-4a05-a3d0-dde3e80acf44

Definitions
* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form. Examples: 10^2 = 100 CFU, 10^3 = 1,000 CFU, 10^4 = 10,000 CFU, 10^5 = 100,000 CFU
CFU/g = Colony Forming Units per Gram, LOD = Limit of Detection
ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation
STEC = Shiga Toxin-Producing E. coli

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ea33221290344a05a3d0dde3e80acf44.1

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Prepared for:
BATCH
2815 S 5th Ct
Milwaukee, WI USA 53207

BATCH Labs Full Spectrum Distillate

Batch ID or Lot Number:	Test:	Reported:	USDA License:
112823-02	**Mycotoxins**	**07Dec2023**	N/A
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000263221	06Dec2023	N/A
	Method(s): TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	Received: 30Nov2023	Status: Active

Mycotoxins

	Dynamic Range (ppb)	**Result** (ppb)	**Notes**
Ochratoxin A	3.79 - 130.16	ND	N/A
Aflatoxin B1	1.03 - 32.83	ND	
Aflatoxin B2	0.93 - 33.28	ND	
Aflatoxin G1	1.03 - 33.15	ND	
Aflatoxin G2	1.09 - 33.73	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval

Karen Winternheimer
07Dec2023
12:55:00 PM MST
PREPARED BY / DATE

Sam Smith
07Dec2023
12:56:00 PM MST
APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/d6e52fb6-01c4-4c7c-8677-26992d0fd4cb

Definitions
ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

Cert #4329.02
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2815 S 5th Ct
Milwaukee, WI USA 53207

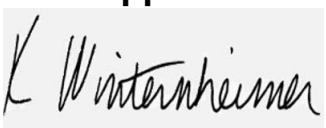
BATCH Labs Full Spectrum Distillate

Batch ID or Lot Number:	Test:	Reported:	USDA License:
112823-02	**Residual Solvents**	**06Dec2023**	N/A
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000263220	05Dec2023	N/A
	Method(s):	Received:	Status:
	TM04 (GC-MS): Residual Solvents	30Nov2023	Active

Residual Solvents

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Propane	87 - 1739	ND	
Butanes (Isobutane, n-Butane)	170 - 3399	ND	
Methanol	58 - 1159	ND	
Pentane	92 - 1846	ND	
Ethanol	96 - 1927	ND	
Acetone	98 - 1964	ND	
Isopropyl Alcohol	109 - 2181	ND	
Hexane	6 - 118	ND	
Ethyl Acetate	100 - 2006	ND	
Benzene	0.2 - 3.9	ND	
Heptanes	96 - 1913	ND	
Toluene	18 - 365	ND	
Xylenes (m,p,o-Xylenes)	134 - 2683	ND	

Final Approval



Karen Winternheimer
06Dec2023
12:42:00 PM MST

PREPARED BY / DATE

Sam Smith
06Dec2023
12:44:00 PM MST

APPROVED BY / DATE

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Definitions
ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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