

Manufactured for Down to Earth Primitive Extracts

Certificate of Analysis

Product :	Tincture containing THC-free hemp oil distillate			
	Target 1000 mg of CBD per oz (3.40% w/w)			
Batch :	<u>TN07I2101</u>			

Timeframe : QA batch release review

Test	Analyte	Acceptance Criteria	Results	Pass	Fail	
Chemical	CBD	3.00-4.00% w/w	3.36% (99% of target) ✓			
	THC	Not detected	Not detected	✓		
	THC-A	Not detected	Not detected	✓		
Microbiology	Total Aerobic Count	Not detected	Not detected	✓		
	Total Coliforms	Not detected	Not detected	✓		
	Total Yeast & Mold	Not detected	Not detected	✓		
	E. Coli (STEC)	Absent in 25 g	Absent	✓		
	Salmonella	Absent in 25 g	Absent	✓		
Pesticides	Targeted list	Not detected	Not test	ed*		
Heavy metals	Arsenic As	<1.5 ppm	Not test	ed*		
-	Cadmium Cd			tested*		
Lead Pb		<0.5 ppm	Not test	Not tested*		
	Mercury Hg	<1.5 ppm	Not tested*			
Residual	Acetone	<1000 ppm	Not tested*			
solvents	Benzene	<2 ppm	Not tested*			
	Ethanol	<1000 ppm	Not tested*			
	Ethyl Acetate	<1000 ppm	Not tested*			
	Heptane	<1000 ppm	Not tested*			
	Hexane	<60 ppm	Not tested*			
	Isopropyl Alcohol	<1000 ppm	Not tested*			
Methanol Pentane		<600 ppm	Not tested*			
		<1000 ppm	Not tested*			
	Propane	<1000 ppm				
	Toluene	<180 ppm	Not test	ed*		
	Total Xylenes	<430 ppm	Not tested*			

*Product free of contamination by addition

✓ Batch is acceptable and released

Batch is not acceptable and will not be released

Approved by :

Date: 30SEP23



Official Compliance: Colorado CERTIFICATE OF ANALYSIS

Prepared for:

Sam Smith

22-Sep-23

1:44 PM

PANACEA LIFE SCIENCES

1000mg BS Tinct	ure	PANACEA	PANACEA LIFE SCIENCES		
Batch ID or Lot Number: TN07I2101	Test: Potency	Reported: 9/22/23	Location: 16194 W 45th Drive Golden, CO 80403		
Matrix: Concentrate	Test ID: T000165903	Started: 9/22/23	USDA License: N/A		
Status: N/A	Method: TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis (Colorado Panel)	Received: 09/21/2023 @ 01:26 PM	Sampler ID: N/A		

CANNABINOID PROFILE

Compound	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.015	0.050	ND	ND	Notes
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.017	0.057	ND	ND	N/A
Cannabidiolic acid (CBDA)	0.021	0.054	ND	ND	
Cannabidiol (CBD)	0.021	0.052	3.60	33.55	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.019	0.063	ND	ND	
Cannabinolic Acid (CBNA)	0.011	0.036	ND	ND	
Cannabinol (CBN)	0.005	0.016	0.032	0.32	
Cannabigerolic acid (CBGA)	0.016	0.053	ND	ND	
Cannabigerol (CBG)	0.004	0.013	0.025	0.25	
Tetrahydrocannabivarinic Acid (THCVA)	0.013	0.044	ND	ND	
Tetrahydrocannabivarin (THCV)	0.003	0.011	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.009	0.022	ND	ND	
Cannabidivarin (CBDV)	0.005	0.012	ND	ND	
Cannabichromenic Acid (CBCA)	0.006	0.020	ND	ND	
Cannabichromene (CBC)	0.007	0.022	0.127	1.27	
Total Cannabinoids			3.784	35.34	
Total Potential THC**			ND	ND	
Total Potential CBD**			5.035	33.55	

Daniel Wantanand

22-Sep-2023 01:41 PM PREPARED BY / DATE

APPROVED BY / DATE

Samantha Small

Definitions

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Indicates a value below the Limit of Quantitiation (LOQ) and above the Limit of Detection (LOD).

Daniel Weidensaul

** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during

decarboxylation step.

Total THC = THC + (THCa *(0.877)) and

Total CBD = CBD + (CBDa *(0.877))

Total Cannabinoids result reflects the absolute sum of all cannabinoids detected. ND = None Detected (Defined by Dynamic Range of the method)

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.







Official Compliance: Colorado CERTIFICATE OF ANALYSIS

Prepared for:

1000mg BS Tincture

PANACEA LIFE SCIENCES

Batch ID or Lot Number: TN07I2101	^{Test:} Microbial Contaminants	Reported: 9/30/23	Location: 16194 W 45th Drive Golden, CO 80403
Matrix: Finished Product	Test ID: T000165904	Started: 9/21/23	USDA License: N/A
Status: N/A	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel)	Received: 09/21/2023 @ 01:26 PM	Sampler ID: N/A

MICROBIAL CONTAMINANTS DETERMINATION

		•	ULOQ	Result	Notes
TM-26, Culture Plating	10^2 CFU/g	10^3 CFU/g	1.5x10^5 CFU/g	None Detected	Free from visual mold,
TM-27, Culture Plating	10^2 CFU/g	10^2 CFU/g	1.5x10^4 CFU/g	None Detected	mildew, and foreign matter
TM-24, Culture Plating	10^2 CFU/g	10^2 CFU/g	1.5x10^4 CFU/g	None Detected	
TM-25, PCR	1 CFU/25 g	NA	NA	Absent	
TM-25, PCR	1 CFU/25 g	NA	NA	Absent	
Т	M-27, Culture Plating M-24, Culture Plating TM-25, PCR	M-27, Culture Plating 10^2 CFU/g M-24, Culture Plating 10^2 CFU/g TM-25, PCR 1 CFU/25 g	M-27, Culture Plating 10^2 CFU/g 10^2 CFU/g M-24, Culture Plating 10^2 CFU/g 10^2 CFU/g TM-25, PCR 1 CFU/25 g NA	M-27, Culture Plating 10^2 CFU/g 10^2 CFU/g 1.5x10^4 CFU/g M-24, Culture Plating 10^2 CFU/g 10^2 CFU/g 1.5x10^4 CFU/g TM-25, PCR 1 CFU/25 g NA NA	M-27, Culture Plating10^2 CFU/g10^2 CFU/g1.5x10^4 CFU/gNone DetectedM-24, Culture Plating10^2 CFU/g10^2 CFU/g1.5x10^4 CFU/gNone DetectedTM-25, PCR1 CFU/25 gNANAAbsent

for an - An

Jackson Osaghae-Nosa 9/30/2023 9:25:00 AM

APPROVED BY / DATE

Sarah Henning 9/30/2023 3:03:00 PM

PREPARED BY / DATE

Definitions

LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation CFU/g = Colony Forming Units per Gram | STEC = Shiga Toxin-Producing *E. coli* * 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

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Gobi Hemp Analytical Report - Certificate of Analysis



Manifest:	2102260004	Test Performed:	Hemp Lab
Sample Id:	1A-GHEMP-2102260004-0001	Intended Use:	Inhaled or Audited Product
Sample Name:	NT Distillate DS25A2101	Report No:	MT-2102260004-V1
Sample Type:	Concentrate	Receive Date:	2021-02-26
Client Id:	CID-00197	Test Date:	2021-03-02
Client:	Panacea Life Sciences	Report Date:	2021-03-03
Address:	16194 West 45th Drive, Golden, CO 80403	Sample Condition:	Good
Address:	16194 West 45th Drive, Golden, CO 80403	Sample Condition: Method Reference:	

Scope

Arsenic, Cadmium, Lead and Mercury were determined by an Inductively Coupled Plasma Mass Spectrometer (ICP-MS) using an in-house developed method.

Metals	Sample Reporting Limit (ppm)	Parts Per Million (ppm)
Arsenic	0.100	ND
Cadmium	0.100	ND
Lead	0.100	ND
Mercury	0.100	ND

ND - not detected; T - trace; ULOQ - upper limit of quantitation

Laboratory Comments:

Jon Person Client Relations Manager

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2021-03-03

Date