

Prepared for:

PANACEA LIFE SCIENCES
3000mg BS Tincture


Batch ID or Lot Number: TN07I2102	Test: Potency	Reported: 9/22/23	Location: 16194 W 45th Drive Golden, CO 80403
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Matrix: Concentrate	Test ID: T000165905	Started: 9/22/23	USDA License: N/A
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Status: N/A	Method: TM14 (HPLC-DAD): Potency - Standard Cannabinoid Analysis (Colorado Panel)	Received: 09/21/2023 @ 01:26 PM	Sampler ID: N/A
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CANNABINOID PROFILE

Compound	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.015	0.050	ND	ND	N/A
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.017	0.057	ND	ND	
Cannabidiolic acid (CBDA)	0.021	0.054	ND	ND	
Cannabidiol (CBD)	0.021	0.052	9.86	98.6	
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			10.044	100.44	
Total Potential THC**			ND	ND	
Total Potential CBD**			9.86	98.6	


 Daniel Weidensaul
 22-Sep-2023
 01:41 PM


 Sam Smith
 22-Sep-23
 1:44 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

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

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

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

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and}$$

$$\text{Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$

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.



CDPHE Certified



Certificate #4329.02


Prepared for:

PANACEA LIFE SCIENCES
3000mg BS Tincture


Batch ID or Lot Number: TN07I2102	Test: Microbial Contaminants	Reported: 9/30/23	Location: 16194 W 45th Drive Golden, CO 80403
Matrix: Finished Product	Test ID: T000165905	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

Contaminant	Method	LOD	LLOQ	ULOQ	Result	Notes
Total Aerobic Count*	TM-26, Culture Plating	10 ² CFU/g	10 ³ CFU/g	1.5x10 ⁵ CFU/g	None Detected	Free from visual mold, mildew, and foreign matter
Total Coliforms*	TM-27, Culture Plating	10 ² CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected	
Total Yeast and Mold*	TM-24, Culture Plating	10 ² CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected	
E. coli (STEC)	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	
Salmonella	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	


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

PREPARED BY / DATE


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

APPROVED 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: 10² = 100 CFU
 10³ = 1,000 CFU
 10⁴ = 10,000 CFU
 10⁵ = 100,000 CFU

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CDPHE Certified



Certificate #4329.02

Gobi Hemp

Analytical Report - Certificate of Analysis



Manifest: 2102260004
Sample Id: 1A-GHEMP-2102260004-0001
Sample Name: NT Distillate DS25A2101
Sample Type: Concentrate
Client Id: CID-00197
Client: Panacea Life Sciences
Address: 16194 West 45th Drive, Golden, CO 80403

Test Performed: Hemp Lab
Intended Use: Inhaled or Audited Product
Report No: MT-2102260004-V1
Receive Date: 2021-02-26
Test Date: 2021-03-02
Report Date: 2021-03-03
Sample Condition: Good
Method Reference: GH-OP-17

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

2021-03-03

Date

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