



Product : Tincture 1500 mg

Batches : 19F1907 - 09

Batch Release Form

Product : **Tinctures containing hemp oil distillate**

Target 1500 mg \pm 20% of CBD per oz (50.0 mg/mL)

Batches : **19F1907 (unflavoured), 19F1908 (mixed berry) & 19F1909 (vanilla)**

Test	Analyte	Acceptance Criteria	Pass	Fail
Cannabinoids	CBD	49.7 mg/mL (99% of target)	✓	
	THC	<0.3% w/w	✓	
	THC-A	<0.3% w/w	✓	
Microbiology	Escherichia coli	Not detected	✓	
	Salmonella	Not detected	✓	
	Mold	Not detected	✓	
	Yeast	Not detected	✓	
Pesticides	Targeted list	Not detected		Not tested*
Heavy metals	Arsenic As	<0.4 ppm		Not tested*
	Cadmium Cd	<0.4 ppm		Not tested*
	Lead Pb	<1 ppm		Not tested*
	Mercury Hg	<0.2 ppm		Not tested*
Residual solvents	Benzene	<2 ppm		Not tested*
	Heptane	<500 ppm		Not tested*
	Hexane	<10 ppm		Not tested*
	Methanol	<3000 ppm		Not tested*
	Toluene	<5 ppm		Not tested*
	Total Xylenes	<5 ppm		Not tested*

**Product not tested for these analytes, but major component(s) in formulation demonstrated to be free of contamination*

Batch is acceptable and released

Batch is not acceptable and will not be released



Product : Tincture 1500 mg

Batches : 19F1907 - 09



CERTIFICATE OF ANALYSIS

prepared for: PANACEA LIFE SCIENCES
385 SOUTH PIERCE AVE.
LOUISVILLE, CO 80027

19F1903-1500

Table with 4 columns: Field (Batch ID, Reported, Type, Test), Value (N/A, 26-Jun-2019, Concentrate, Potency), Test ID (1121778.0014), Method (TM14)

CANNABINOID PROFILE

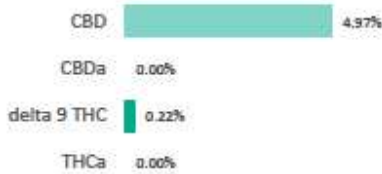
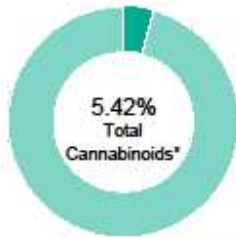


Table with 4 columns: Compound, LOG (%), Result (%), Result (mg/g). Lists various cannabinoids and their concentrations.

NOTES:

N/A

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

* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

** Total Potential THCCBD is calculated using the following formulae 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)

FINAL APPROVAL

Signature of Daniel Weidensaul, 26-Jun-2019 1:40 PM

Signature of David Green, 26-Jun-2019 2:21 PM

PREPARED BY / DATE

APPROVED BY / DATE

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.



Certificate #4329.02