



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



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CERTIFICATE OF ANALYSIS

prepared for: PANACEA LIFE SCIENCES
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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

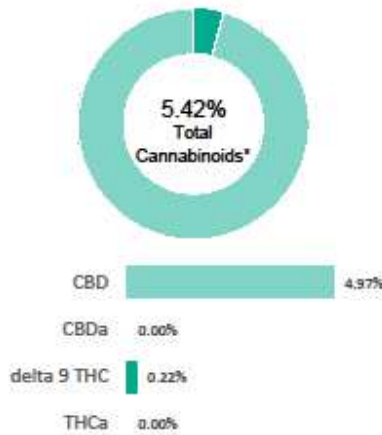


Table with 4 columns: Compound, LOG (%), Result (%), Result (mg/g). Lists various cannabinoids and their concentrations.

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

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. ISO/IEC 17025:2005 Accredited ASLA Certificate Number 4329.02

