

# Certificate of Analysis

**Final Product:** Tincture - CBD Isolate  
**Flavor:** Natural  
**Date of Manufacture:** January 2020

**Lot Number:** PB2001F-107  
**Strength:** 500mg



Test	Methodology		Specification	Test Results (Average)*	Pass/Fail
Visual	Color and Appearance	TM-004 (Visual)	Clear or yellow to orange/red clear, flowing, liquid free of particulates	Conforms	Pass
Organoleptic	Aroma/Odor	TM-004 (Organoleptic)	Prominent labeled aroma	Conforms	Pass
Cannabinoid Identification	ID by Retention Time	TM-003 (DAD Retention Time)	Retention time of the primary peak in sample chromatogram matches that in the analytical reference standard.	Conforms	Pass
	ID by UV	TM-003 (DAD UV Spectrum)	UV Spectrum of the primary peak in sample chromatogram matches that in the analytical reference standard.	Conforms	Pass
CBD Content	Assay (percent of label claim)(%)	TM-003 (HPLC-DAD)	90.0 - 110.0 %	100.3	Pass
THC Content	THC(%w/w)	TM-003 (HPLC-DAD)	Report	ND	NA
	THCA(%w/w)	TM-003 (HPLC-DAD)	Report	ND	NA
	Total THC(%w/w)	TM-003 (HPLC-DAD)	≤0.05 %w/w	ND	Pass
Related Cannabinoid Content	CBDA(%w/w)	TM-003 (HPLC-DAD)	Report	ND	NA
	CBN(%w/w)	TM-003 (HPLC-DAD)	Report	ND	NA
	CBDV(%w/w)	TM-003 (HPLC-DAD)	Report	0.005	NA
	CBG(%w/w)	TM-003 (HPLC-DAD)	Report	ND	NA
	Other (Highest)(%w/w)	TM-003 (HPLC-DAD)	Report	0.007	NA
	Total (RC)(%w/w)	TM-003 (HPLC-DAD)	Report	0.018	NA
Total Cannabinoids	(CBD plus total RCs)(%w/w)	TM-003 (HPLC-DAD)	Report	1.748	NA

\*Number of replicates: 3

\*Full list of individual pesticide residues on file, Eurofins LOQ of 0.1 ppm for individual residues.

\*Contract Testing performed by Eurofins BioDiagnostics.

**Data Reviewed and Approved by:** Beth Grant  
**1/20/2020 12:27:07 PM**