

## Certificate of Analysis



**Product:** PHB Tincture 3,000 mg CBD  
Full Spectrum

**Batch Number:** 11259

**Manufacturer Item Number:** P093

**Date of Manufacture:** 10/24/2018

**SOP No.:** APP 5002D4.05

**Expiration Date:** 4/24/2020

Product Characteristics	Test Method	Specification	Result	Pass / Fail / N/A
<i>Physical Characteristics</i>				
Color & Appearance	Visual	Yellow to amber oily liquid	Pass	Pass
Odor	Organoleptic	Mild and characteristic	Pass	Pass
Taste	Organoleptic	Mild to slightly bitter	Pass	Pass
<i>Analytical Characteristics</i>				
CBD	HPLC	≥ 95.0 mg/dropper	102.5 mg/dropper	Pass
THC	HPLC	< 0.3%	0.05%	Pass
Residual Solvents	MED	Complies	S.L.	N/A
Pesticides	MED	Complies	S.L.	N/A
<i>Heavy Metal Characteristics</i>				
Arsenic	ICP-MS	≤ 10 µg/dropper	S.L.	N/A
Cadmium	ICP-MS	≤ 4.1 µg/dropper	S.L.	N/A
Lead	ICP-MS	≤ 0.5 µg/dropper	S.L.	N/A
Mercury	ICP-MS	≤ 0.3 µg/dropper	S.L.	N/A
<i>Microbiological Characteristics</i>				
Yeast & Mold	USP	≤ 1,000 CFU/g	S.L.	N/A
<i>E. coli</i>	USP	Negative/10 g	S.L.	N/A
<i>Salmonella spp.</i>	USP	Negative/10 g	S.L.	N/A

\* S.L. means "Skip Lot". Parameters are being monitored through product qualification testing, and are currently in skip lot protocol.

Please visit [www.purehempbotanicals.com](http://www.purehempbotanicals.com) for additional batch and product information

Reviewed By: \_\_\_\_\_

Date: \_\_\_\_\_

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_

*[Handwritten Signature]*

*[Handwritten Signature]*


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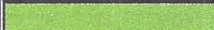






<b>LABORATORY CANNABINOID PROFILE CERTIFICATE OF ANALYSIS</b>	Extraction Date:30-Oct-18
	Analysis Date/Time:30-Oct-18, 16:20:51

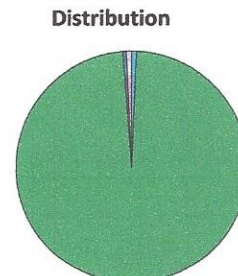
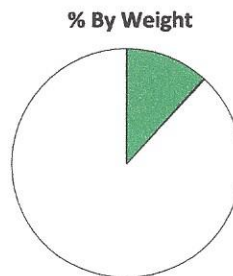
CUSTOMER INFORMATION		SAMPLE DETAILS	
Company:	Pure Hemp Botanicals	Sample Name	PHB Tincture 3,000 mg CBD Full Spectrum
Contact Person:	Quality Control	Sample Number	11967, 11968
Contact Email:	Info@purehempbotanicals.com	Sample Information	Batch 11259
Contact phone:	1-844-443-6764		

### Substance Potency Analysis

CANNABINOID	Mg. PER GRAM	TOTAL Mg. IN A	26.41	GRAM PACKAGE (as reported by client)
CBD MAXIMUM *	116.48	3075.91		
THC MAXIMUM *	0.55	14.44		
CBDA	ND <sup>1</sup>	ND <sup>1</sup>		
CBG	0.76	19.95		
CBD	116.48	3075.91		
CBN	ND <sup>1</sup>	ND <sup>1</sup>		
THC	0.55	14.44		
CBC	0.90	23.86		
THCA	ND <sup>1</sup>	ND <sup>1</sup>		

### Substance Distribution Analysis

COLOR CODE	CANNABINOID	% BY WEIGHT	Distribution
	CBDA	ND <sup>1</sup>	ND <sup>1</sup>
	CBG	0.08	0.64%
	CBD	11.65	98.14%
	CBN	ND <sup>1</sup>	ND <sup>1</sup>
	THC	0.05	0.46%
	CBC	0.09	0.76%
	THCA	ND <sup>1</sup>	ND <sup>1</sup>



White in % by weight is inert material

\* All cannabinoids in their acid forms (ending in "A") are convertible to their non-acid forms via a decarboxylation process (heating). The THC and CBD maximum values reported above are the maximum theoretical amounts of THC and CBD the tested product would have if it were fully decarboxylated.

*Emily Boyd*  
**Emily Boyd**  
Laboratory Director

Maximum % THC values exceeding three-tenths of one percent (0.3%) on a dry weight basis do not qualify as industrial hemp

Maximum % THC Value for this sample is: 0.05 %

<sup>1</sup> Cannabinoid not detected (ND).

<sup>2</sup> Cannabinoid detected below Limit of Quantitation (LOQ).

*This test report may not be duplicated, except in full with permission from GGS laboratory. All testing reports represent a strict confidentiality agreement between GGS laboratory and the client listed on the report. No discussion of certificates of analysis will be permitted except with authorized parties of the client indicated on the certificate of analysis.*