

Certificate of Analysis



Product: PHB Tincture 300 mg CBD
Isolated

Batch Number: 11248

Manufacturer Item Number: P094

Date of Manufacture: 10/15/2018

SOP No.: APP 5002D8.04

Expiration Date: 4/15/2020

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	≥ 9.5 mg/dropper	10.57 mg/dropper	Pass
THC	HPLC	Not Detected	Not Detected	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 for additional batch and product information

Reviewed By: _____

Date: 12/19/18

Approved By: _____

Date: 12-19-18

LABORATORY CANNABINOID PROFILE CERTIFICATE OF ANALYSIS

Extraction Date:17-Oct-18
Analysis Date/Time:17-Oct-18, 08:40:51


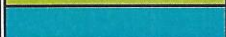





CUSTOMER INFORMATION		SAMPLE DETAILS	
Company:	Pure Hemp Botanicals	Sample Name	PHB Tincture 300 mg CBD Isolated
Contact Person:	Quality Control	Sample Number	11682, 11683
Contact Email:	Info@purehempbotanicals.com	Sample Information	Batch 11248
Contact phone:	1-844-443-6764		

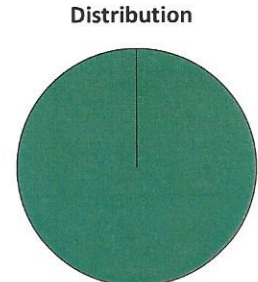
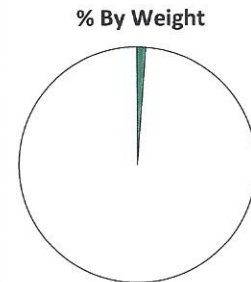
Substance Potency Analysis

CANNABINOID	Mg. PER GRAM	TOTAL Mg. IN A	26.15	GRAM PACKAGE (as reported by client)
CBD MAXIMUM *	12.13	317.16		
THC MAXIMUM *	ND ¹	ND ¹		
CBDA	ND ¹	ND ¹		
CBG	ND ¹	ND ¹		
CBD	12.13	317.16		
CBN	ND ¹	ND ¹		
THC	ND ¹	ND ¹		
CBC	ND ¹	ND ¹		
THCA	ND ¹	ND ¹		



Substance Distribution Analysis

COLOR CODE	CANNABINOID	% BY WEIGHT	Distribution
	CBDA	ND ¹	ND ¹
	CBG	ND ¹	ND ¹
	CBD	1.21	100.00%
	CBN	ND ¹	ND ¹
	THC	ND ¹	ND ¹
	CBC	ND ¹	ND ¹
	THCA	ND ¹	ND ¹



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. A Max % THC of '< LOQ' or 'ND' satisfies the hemp classification requirement according to Section 7606 of the 2014 Farm Bill Act.

Maximum % THC Value for this sample is: **ND¹**

¹ Cannabinoid not detected (ND).

² Cannabinoid detected below Limit of Quantitation (LOQ).

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