

CERTIFICATE OF QUALITY ASSURANCE

PRODUCT NAME: Full Spec Tincture (all flavors)
CONCENTRATION: 4000mg - 133.3mg/ml
PRODUCT LOT NUMBER: LB-O-00118
OIL LOT NUMBER: LD-O-00111
MANUFACTURE DATE: 4/15/2021

Expiration date is 24 months under sealed conditions and proper storage

DATE OF ANALYSIS: 4/22/2021
ACTIVE INGREDIENTS: Organic Phytocannabinoid-Rich Hemp Oil
INACTIVE INGREDIENTS: Organic MCT Coconut Oil, Organic Essential Oil (flavor)
ALLERGY NOTICE: Contains Tree Nuts (Coconut)



ANALYSIS RESULTS FOR FINISHED PRODUCT

ATTRIBUTE ANALYSIS

ATTRIBUTE	CRITERIA	DISPOSITION
APPEARANCE	Clear light yellow to medium yellow liquid	PASS
AROMA	Characteristic Hemp Oil Aroma	PASS
CBD CONTENT	Label claim +/- 10%	PASS
THC CONTENT	COMPLIANT OR NON-DETECT	PASS

CANNABINOID ANALYSIS

COMPOUND	RESULT	CRITERIA
THC	0.29%	<0.3%
CBD	141.50mg/g	133.3mg/g
CBN	0.6mg/g	NO CRITERIA
CBG	1.9mg/g	NO CRITERIA
CBDV	0.3mg/g	NO CRITERIA
CBC	6.2mg/g	NO CRITERIA
PASS		

MICROBIAL ANALYSIS

CONTAMINANT	SPECIFICATION	RESULT (CFU/g)	DISPOSITION
Ttl Aerobic Count	None Detected	None Detected	Pass
Total Coliforms	None Detected	None Detected	Pass
Total Yeast & Molds	None Detected	None Detected	Pass
E. Coli	None Detected	None Detected	Pass
Salmonella	None Detected	None Detected	Pass

RESIDUAL SOLVENT ANALYSIS

SOLVENT	SPECIFICATION	RESULT (ppm)	DISPOSITION
Propane	None Detected	None Detected	PASS
Butanes	None Detected	None Detected	PASS
Methanol	None Detected	None Detected	PASS
Pentane	None Detected	None Detected	PASS
Ethanol	None Detected	None Detected	PASS
Acetone	None Detected	None Detected	PASS
Isopropyl Alcohol	None Detected	None Detected	PASS
Hexane	None Detected	None Detected	PASS
Ethyl Acetate	None Detected	None Detected	PASS
Benzene	None Detected	None Detected	PASS
Heptanes	None Detected	None Detected	PASS
Toluene	None Detected	None Detected	PASS
Xylenes	None Detected	None Detected	PASS
PASS			

QC Approval: *Scott McWhorter*

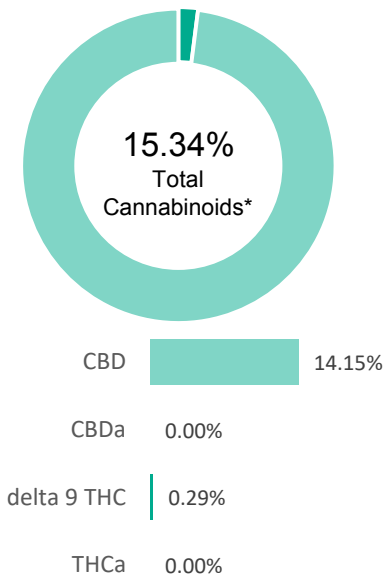
Date: 04/29/2021



LB-O-00118

Batch ID:		Test ID:	T000135806
Type:	Concentrate	Submitted:	04/19/2021 @ 01:26 PM
Test:	Potency	Started:	4/21/2021
Method:	TM14	Reported:	4/22/2021

CANNABINOID PROFILE



Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.04	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.05	0.29	2.9
Cannabidiolic acid (CBDA)	0.06	ND	ND
Cannabidiol (CBD)	0.06	14.15	141.5
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.05	ND	ND
Cannabinolic Acid (CBNA)	0.03	ND	ND
Cannabinol (CBN)	0.01	0.06	0.6
Cannabigerolic acid (CBGA)	0.05	ND	ND
Cannabigerol (CBG)	0.01	0.19	1.9
Tetrahydrocannabivarinic Acid (THCVA)	0.04	ND	ND
Tetrahydrocannabivarin (THCV)	0.01	ND	ND
Cannabidivarinic Acid (CBDVA)	0.03	ND	ND
Cannabidivarin (CBDV)	0.01	0.03	0.3
Cannabichromenic Acid (CBCA)	0.02	ND	ND
Cannabichromene (CBC)	0.02	0.62	6.2
Total Cannabinoids		15.34	153.4
Total Potential THC**		0.29	2.9
Total Potential CBD**		14.15	141.5

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 THC/CBD is calculated using the following formulas 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))
 ND = None Detected (Defined by Dynamic Range of the method)

FINAL APPROVAL

	Taylor Brevik 22-Apr-2021 4:51 PM		Daniel Weidensaul 22-Apr-2021 4:59 PM
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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. 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 A2LA Certificate Number 4329.02



Certificate #4329.02



LB-O-00118

Batch ID:	N/A	Test ID:	T000135807
Type:	Concentrate	Submitted:	04/19/2021 @ 01:26 PM
Test:	Microbial Contaminants	Started:	4/20/2021
Method:	TM24, TM25, TM26, TM27, TM28	Reported:	4/23/2021

MICROBIAL CONTAMINANTS

Contaminant	Result (CFU/g)*
Total Aerobic Count**	None Detected
Total Coliforms**	None Detected
Total Yeast and Molds**	None Detected
E. coli	Absent
E. coli (STEC)	Absent
Salmonella	Absent

* CFU/g = Colony Forming Unit per Gram

** Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples: $10^2 = 100$ CFU
 $10^3 = 1,000$ CFU
 $10^4 = 10,000$ CFU
 $10^5 = 100,000$ CFU

NOTES:

Free from visual mold, mildew, and foreign matter
 TYM: None Detected
 Total Aerobic: None Detected

FINAL APPROVAL


 Sarah Henning
 23-Apr-2021
 9:53 AM


 Robert Belfon
 23-Apr-2021
 11:59 AM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.03



LB-O-00118

Batch ID:		Test ID:	T000135808
Type:	Concentrate	Submitted:	04/19/2021 @ 01:26 PM
Test:	Residual Solvents	Started:	4/22/2021
Method:	TM04	Reported:	4/22/2021


RESIDUAL SOLVENTS


Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	81 - 1615	*ND
Butanes (Isobutane, n-Butane)	154 - 3084	*ND
Methanol	59 - 1184	*ND
Pentane	87 - 1737	*ND
Ethanol	86 - 1724	*ND
Acetone	98 - 1960	*ND
Isopropyl Alcohol	103 - 2059	*ND
Hexane	6 - 118	*ND
Ethyl Acetate	97 - 1937	*ND
Benzene	0.2 - 3.8	*ND
Heptanes	93 - 1852	*ND
Toluene	18 - 351	*ND
Xylenes (m,p,o-Xylenes)	127 - 2539	*ND

* ND = None Detected (Defined by Dynamic Range of the method)

NOTES:
N/A

FINAL APPROVAL


 Daniel Weidensaul
 22-Apr-2021
 6:37 PM


 Ryan Weems
 22-Apr-2021
 6:41 PM

PREPARED BY / DATE

APPROVED BY / DATE

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