CERTIFICATE OF QUALITY ASSURANCE

PRODUCT NAME:	Broad Spec Tincture (all flavors)
CONCENTRATION:	1500mg -50mg/ml
PRODUCT LOT NUMBER:	LB-O-00183
OIL LOT NUMBER:	LE-O-00705
MANUFACTURE DATE:	9/2/2021
Expiration date is 24 months und storage	er sealed conditions and proper
DATE OF ANALYSIS:	9/3/2021
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				
RESULT	CRITERIA			
ND	<0.3%			
49.0mg/ml	50mg/ml			
0.7mg/g	NO CRITERIA			
0.4mg/g	NO CRITERIA			
ND	NO CRITERIA			
2.3mg/g	NO CRITERIA			
PASS				
	ND 49.0mg/ml 0.7mg/g 0.4mg/g ND 2.3mg/g			

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

		RESULT	
SOLVENT	SPECIFICATION	(ppm)	DISPOSITION
Propane	None Detected	None	PASS
Topane	None Deteeted	Detected	1433
Butanes	None Detected	None	PASS
		Detected	17100
Methanol	None Detected	None	PASS
		Detected	17.55
Pentane	None Detected	None	PASS
		Detected	17100
Ethanol	None Detected	None	PASS
		Detected	17100
Acetone	None Detected	None	PASS
		Detected	17100
Isopropyl	None Detected	None	PASS
Alcohol		Detected	
Hexane	None Detected	None	PASS
		Detected	17100
Ethyl Acetate	None Detected	None	PASS
- ,		Detected	17100
Benzene	None Detected	None	PASS
		Detected	17100
Heptanes	None Detected	None	PASS
		Detected	17100
Toluene	None Detected	None	PASS
		Detected	17.00
Xylenes	None Detected	None	PASS
,		Detected	17,000
	PA	SS	



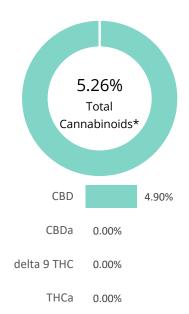
prepared for: ROCKY MOUNTAIN EXTRACTION SERVICES LLC

861 AUTOMATION DRIVE WINDSOR, CO 80550

LB-O-00183

Batch ID:	BH-8382-03	Test ID:	T000161174
Туре:	Concentrate	Submitted:	09/01/2021 @ 09:40 AM
Test:	Potency	Started:	9/2/2021
Method:	TM14 (HPLC-DAD)	Reported:	9/3/2021

CANNABINOID PROFILE



Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.01	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.01	ND	ND
Cannabidiolic acid (CBDA)	0.02	ND	ND
Cannabidiol (CBD)	0.02	4.90	49.0
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.01	0.02	0.2
Cannabinolic Acid (CBNA)	0.01	ND	ND
Cannabinol (CBN)	0.00	0.07	0.7
Cannabigerolic acid (CBGA)	0.01	ND	ND
Cannabigerol (CBG)	0.00	0.04	0.4
Tetrahydrocannabivarinic Acid (THCVA)	0.01	ND	ND
Tetrahydrocannabivarin (THCV)	0.00	ND	ND
Cannabidivarinic Acid (CBDVA)	0.01	ND	ND
Cannabidivarin (CBDV)	0.00	ND	ND
Cannabichromenic Acid (CBCA)	0.00	ND	ND
Cannabichromene (CBC)	0.00	0.23	2.3
Total Cannabinoids		5.26	52.6
Total Potential THC**		ND	ND
Total Potential CBD**		4.90	49.0

% = % (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

Samantha Small

PREPARED BY / DATE

Sam Smith 3-Sep-2021 12:15 PM

Daniel Wardansul

Daniel Weidensaul 3-Sep-2021 12:34 PM

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





NOTES:



CERTIFICATE OF ANALYSIS

prepared for: ROCKY MOUNTAIN EXTRACTION SERVICES LLC

861 AUTOMATION DRIVE WINDSOR, CO 80550

LB-O-00183

Batch ID:	BH-8382-03	Test ID:	T000161175
Matrix:	Concentrate	Received:	09/01/2021 @ 09:40 AM
Test:	Microbial Contaminants	Started:	9/1/2021
Method:	TM25 (qPCR) TM24, TM26, TM27, TM28 (Culture Plating)	Reported:	9/4/2021

MICROBIAL CONTAMINANTS

Contaminant	Method	LOD	LLOQ	ULOQ	Result
Total Aerobic Count*	TM-26	10^2 CFU/g	10^3 CFU/g	1.5x10^5 CFU/g	None Detected
	Culture Plating TM-27				
Total Coliforms*	Culture Plating	10^1 CFU/g	10^2 CFU/g	1.5x10^4 CFU/g	None Detected
Total Yeast and Molds*	TM-24	10^1 CFU/g	10^2 CFU/g	1.5x10^4 CFU/g	None Detected
Total Teast and Molds	Culture Plating	TO T CLOVE	10~2 CI 0/g	1.5×10°4 Cl 0/g	None Detected
E. coli	TM-28	1 CFU/g	NA	NA	Absent
L. CON	Culture Plating	T CI O/g	11/1	NA .	Absent
E coli (STEC)	TM-25	1 CFU/g	NA	NA	Absent
E. coli (STEC)	PCR	T CFU/g	NA	NA	Absent
Salmonella	TM-25		NIA	NIA	Absent
	PCR	1 CFU/g	NA	NA	Absent

* 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^

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

DEFINITIONS:

CFU/g = Colony Forming Units per Gram. LOD = Limit of Detection ULOQ = Upper Limit of Quantitation LLOQ = Lower Limit of Quantitation

FINAL APPROVAL

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Robert Belfon 9/4/2021 1:21:00 PM



APPROVED BY / DATE

Courtney Richards 9/4/2021 8:26:00 PM

PREPARED BY / DATE

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botanacor

LE-O-00705

Official Compliance: Colorado CERTIFICATE OF ANALYSIS

Prepared for:

ROCKY MOUNTAIN EXTRACTION SERVICES LLC

Batch ID or Lot Number: BH-8382-03	Test: Residual Solvents	Reported: 7/23/21	Location: 861 AUTOMATION DRIVE WINDSOR, CO 80550
Matrix: N/A	Test ID: T000152157	Started: 7/23/21	USDA License: N/A
Status: N/A	Methods: TM04 (GC-MS): Residual Solven (Colorado Panel)	Received: hts 07/15/2021 @ 01:05 PM	Sampler ID: N/A

RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	77 - 1547	*ND	
Butanes (Isobutane, n-Butane)	150 - 2997	*ND	
Methanol	58 - 1162	*ND	
Pentane	83 - 1669	*ND	
Ethanol	88 - 1766	*ND	
Acetone	91 - 1828	*ND	
Isopropyl Alcohol	102 - 2038	*ND	
Hexane	6 - 115	*ND	
Ethyl Acetate	93 - 1863	*ND	
Benzene	0 - 4	*ND	
Heptanes	89 - 1778	*ND	
Toluene	17 - 336	*ND	
Xylenes (m,p,o-Xylenes)	123 - 2458	*ND	

Toph Bai	Taylor Brevik 23-Jul-21 1:41 PM	Sawantha Small	Sam Smith 23-Jul-21 1:43 PM
PREPARED BY / DATE		APPROVED BY / DATE	

Definitions

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



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