# **CERTIFICATE OF QUALITY ASSURANCE**

PRODUCT NAME: Broad Spec Tincture (all flavor

CONCENTRATION: 500mg - 16.67mg/ml

PRODUCT LOT NUMBER: LB-O-00167
OIL LOT NUMBER: LE-O-00705
MANUFACTURE DATE: 8/12/2021

Expiration date is 24 months under sealed conditions and

proper storage

DATE OF ANALYSIS: 8/16/2021

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

#### **MICROBIAL ANALYSIS**

CONTAMINANT	SPECIFICATION	(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

# TEAVES OF SOEN

#### **CANNABINOID ANALYSIS**

COMPOUND	RESULT	CRITERIA			
THC	ND	<0.3%			
CBD	18.4mg/g	16.67mg/g			
CBN	0.3mg/g	NO CRITERIA			
CBG	0.1mg/g	NO CRITERIA			
CBDV	ND	NO CRITERIA			
CBC	0.8mg/g	NO CRITERIA			
	PASS				

#### RESIDUAL SOLVENT ANALYSIS

		RESULT	
SOLVENT	SPECIFICATION	(ppm)	DISPOSITION
Propane	None Detected	None	PASS
Горинс	None Beteeted	Detected	1 755
Butanes	None Detected	None	PASS
		Detected	
Methanol	None Detected	None	PASS
		Detected	
Pentane	None Detected	None Detected	PASS
		None	
Ethanol	None Detected	Detected	PASS
		None	
Acentone	None Detected	Detected	PASS
Isopropyl	None Detected	None	PASS
Alcohol	None Detected	Detected	PASS
Hexane	None Detected	None	PASS
Пехапе	None Beteeted	Detected	1 733
Ethyl Acetate	None Detected	None	PASS
· ·		Detected	
Benzene	None Detected	None	PASS
		Detected None	
Heptanes	None Detected	Detected	PASS
		None	
Toluene	None Detected	Detected	PASS
V. danaa	Nama Datasticil	None	DACC
Xylenes	None Detected	Detected	PASS
	PA	SS	
	r A	JJ	

QC Approval: Scott McWhorter

Date: 08/23/2021



# CERTIFICATE OF ANALYSIS

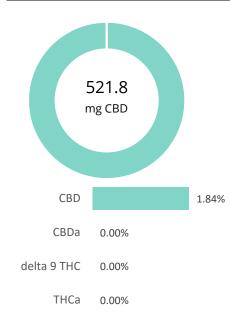
## prepared for: ROCKY MOUNTAIN EXTRACTION SERVICES LLC

861 AUTOMATION DRIVE WINDSOR, CO 80550

#### LB-O-00167

Batch ID:	BH-8382-03	Test ID:	T000157467
Туре:	Unit	Submitted:	08/13/2021 @ 09:53 AM
Test:	Potency	Started:	8/16/2021
Method:	TM14 (HPLC-DAD)	Reported:	8/16/2021

# **CANNABINOID PROFILE**



Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	3.76	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	4.24	ND	ND
Cannabidiolic acid (CBDA)	5.99	ND	ND
Cannabidiol (CBD)	5.84	521.80	18.4
Delta 8-Tetrahydrocannabinol (Delta 8THC)	4.67	ND	ND
Cannabinolic Acid (CBNA)	2.67	ND	ND
Cannabinol (CBN)	1.22	7.54	0.3
Cannabigerolic acid (CBGA)	3.92	ND	ND
Cannabigerol (CBG)	0.94	4.18	0.1
Tetrahydrocannabivarinic Acid (THCVA)	3.31	ND	ND
Tetrahydrocannabivarin (THCV)	0.85	ND	ND
Cannabidivarinic Acid (CBDVA)	2.50	ND	ND
Cannabidivarin (CBDV)	1.38	ND	ND
Cannabichromenic Acid (CBCA)	1.51	ND	ND
Cannabichromene (CBC)	1.65	23.33	0.8
Total Cannabinoids		556.85	19.6
Total Potential THC**		ND	ND
Total Potential CBD**		521.80	18.4

NOTES:

# of Servings = 1, Sample Weight=28.4g

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

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 Smits

Sam Smith 16-Aug-2021 4:10 PM

Daniel Westoward

Daniel Weidensaul 16-Aug-2021 4:14 PM

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



<sup>\*</sup> Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

<sup>\*\*</sup> Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.



# CERTIFICATE OF ANALYSIS

#### prepared for: ROCKY MOUNTAIN EXTRACTION SERVICES LLC

861 AUTOMATION DRIVE WINDSOR, CO 80550

#### LB-O-00167

Batch ID:	BH-8382-03	Test ID:	T000157469
Matrix:	General / Other	Received:	08/13/2021 @ 09:53 AM
Test:	Microbial Contaminants	Started:	8/13/2021
Method:	TM25 (qPCR) TM24, TM26, TM27, TM28 (Culture Plating)	Reported:	8/17/2021

#### MICROBIAL CONTAMINANTS

Contaminant	Method	LOD	LLOQ	ULOQ	Result
Total Aerobic Count*	TM-26 Culture Plating	10^2 CFU/g	10^3 CFU/g	1.5x10^5 CFU/g	None Detected
Total Coliforms*	TM-27 Culture Plating	10^1 CFU/g	10^2 CFU/g	1.5x10^4 CFU/g	None Detected
Total Yeast and Molds*	TM-24 Culture Plating	10^1 CFU/g	10^2 CFU/g	1.5x10^4 CFU/g	None Detected
E. coli	TM-28 Culture Plating	1 CFU/g	NA	NA	Absent
E. coli (STEC)	TM-25 PCR	1 CFU/g	NA	NA	Absent
Salmonella	TM-25 PCR	1 CFU/g	NA	NA	Absent

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

10^2 = 100 CFU Examples:

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**

lackson Osaghae-Nosa 17-Aug-2021 10:16 AM

Sarah Henning 17-Aug-2021 3:26 PM

PREPARED BY / DATE

APPROVED BY / DATE

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# Official Compliance: Colorado

CERTIFICATE OF ANALYSIS

Prepared for:

# ROCKY MOUNTAIN EXTRACTION SERVICES LLC

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

#### RESIDUAL SOLVENTS DETERMINATION

(Colorado Panel)

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	422, 2450	4ND	
(m,p,o-Xylenes)	123 - 2458	*ND	

Typh But

LE-O-00705

Taylor Brevik 23-Jul-21 1:41 PM

Samantha Smoth

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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