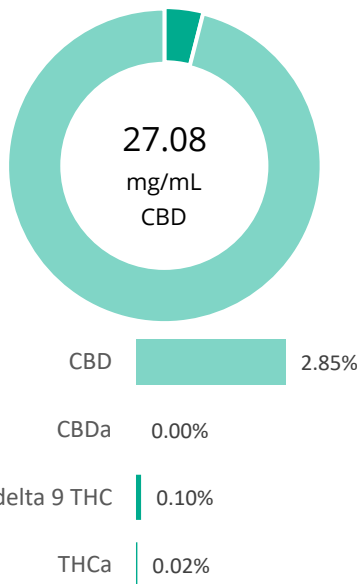


Organic Hemp Oil 750mg

Batch ID:	1121T401	Test ID:	T000174814
Type:	Solution	Submitted:	11/05/2021 @ 09:45 AM
Test:	Potency	Started:	11/8/2021
Method:	TM14 (HPLC-DAD)	Reported:	11/9/2021

CANNABINOID PROFILE



Compound	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.10	0.23	0.2
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.12	0.92	1.0
Cannabidiolic acid (CBDA)	0.14	ND	ND
Cannabidiol (CBD)	0.13	27.08	28.5
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.13	ND	ND
Cannabinolic Acid (CBNA)	0.07	ND	ND
Cannabinol (CBN)	0.03	0.12	0.1
Cannabigerolic acid (CBGA)	0.11	ND	ND
Cannabigerol (CBG)	0.03	0.68	0.7
Tetrahydrocannabivarinic Acid (THCVA)	0.09	ND	ND
Tetrahydrocannabivarin (THCV)	0.02	ND	ND
Cannabidivarinic Acid (CBDVA)	0.06	ND	ND
Cannabidivarin (CBDV)	0.03	0.17	0.2
Cannabichromenic Acid (CBCA)	0.04	ND	ND
Cannabichromene (CBC)	0.04	1.06	1.1
Total Cannabinoids		30.26	31.8
Total Potential THC**		1.12	1.2
Total Potential CBD**		27.08	28.5

% = % (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.

$$\text{Total THC} = \text{THC} + (\text{THCa} * 0.877)$$

$$\text{Total CBD} = \text{CBD} + (\text{CBDa} * 0.877)$$

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


NOTES:

Density = 0.950178g/mL





11:13 am, 11/17/2021

FINAL APPROVAL



Jacob Miller
 9-Nov-2021
 1:57 PM

PREPARED BY / DATE



Rvan Weems
 9-Nov-2021
 1:59 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



Certificate #4329.02

Organic Hemp Oil 750mg

Batch ID:	1121T401	Test ID:	T000174816
Matrix:	Finished Product	Received:	11/05/2021 @ 09:45 AM
Test:	Microbial Contaminants	Started:	11/5/2021
Method:	TM25 (qPCR) TM24, TM26, TM27, TM28 (Culture Plating)	Reported:	11/8/2021

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

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

Examples: 10² = 100 CFU
 10³ = 1,000 CFU
 10⁴ = 10,000 CFU
 10⁵ = 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



 A Meza

11:14 am, 11/17/2021

 Brianne Maillot
 11/8/2021
 4:12:00 PM

 Brett Hudson
 11/8/2021
 4:42:00 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 4329.03. Testing associated with this certificate of analysis performed by an external ISO17025 accredited provider.



Certificate #4329.03


Prepared for:

Organic Hemp Oil 750mg
PET RELEASE


Batch ID or Lot Number: 1121T401	Test: Pesticides	Reported: 11/11/21	Location: 8100 SOUTHPARK WAY A3 LITTLETON, CO 80120
Matrix: Concentrate	Test ID: T000174815	Started: 11/10/21	USDA License: N/A
Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 11/05/2021 @ 09:45 AM	Sampler ID: N/A

PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	53	ND	Fenoxycarb	62	ND	Paclobutrazol	58	ND
Acetamiprid	54	ND	Fipronil	86	ND	Permethrin	380	ND
Avermectin	473	ND	Flonicamid	67	ND	Phosmet	58	ND
Azoxystrobin	59	ND	Fludioxonil	412	ND	Prophos	358	ND
Bifenazate	54	ND	Hexythiazox	50	ND	Propoxur	54	ND
Boscalid	70	ND	Imazalil	357	ND	Pyridaben	364	ND
Carbaryl	51	ND	Imidacloprid	58	ND	Spinosad A	45	ND
Carbofuran	53	ND	Kresoxim-methyl	150	ND	Spinosad D	65	ND
Chlorantraniliprole	70	ND	Malathion	363	ND	Spiromesifen	337	ND
Chlorpyrifos	500	ND	Metalaxyl	56	ND	Spirotetramat	388	ND
Clofentezine	355	ND	Methiocarb	55	ND	Spiroxamine 1	24	ND
Diazinon	359	ND	Methomyl	52	ND	Spiroxamine 2	32	ND
Dichlorvos	371	ND	MGK 264 1	200	ND	Tebuconazole	357	ND
Dimethoate	56	ND	MGK 264 2	148	ND	Thiacloprid	54	ND
E-Fenpyroximate	369	ND	Myclobutanil	54	ND	Thiamethoxam	57	ND
Etofenprox	55	ND	Naled	58	ND	Trifloxystrobin	54	ND
Etoxazole	379	ND	Oxamyl	1500	ND			


 Daniel Weidensaul
 11/11/2021
 12:07:00 PM

PREPARED BY / DATE


 Sam Smith
 11/11/2021
 12:15:00 PM

APPROVED BY / DATE




11:14 am, 11/17/2021

Definitions

LOQ = Limit of Quantification
 ppb = Parts per Billion

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.



Certificate #4329.02


Prepared for:

Organic Hemp Oil 750mg
PET RELEAF


Batch ID or Lot Number: 1121T401	Test: Residual Solvents	Reported: 11/11/21	Location: 8100 SOUTHPARK WAY A3 LITTLETON, CO 80120
Matrix: N/A	Test ID: t000174818	Started: 11/9/21	USDA License: N/A
Status: N/A	Methods: TM04 (GC-MS): Residual Solvents	Received: 11/05/2021 @ 09:45 AM	Sampler ID: N/A

RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	83 - 1665	*ND	
Butanes (Isobutane, n-Butane)	167 - 3340	*ND	
Methanol	53 - 1055	*ND	
Pentane	93 - 1398	*ND	
Ethanol	75 - 1502	*ND	
Acetone	85 - 1690	*ND	
Isopropyl Alcohol	90 - 1800	*ND	
Hexane	5 - 102	*ND	
Ethyl Acetate	87 - 1734	*ND	
Benzene	0.2 - 3.7	*ND	
Heptanes	84 - 1679	*ND	
Toluene	16 - 323	*ND	
Xylenes (m,p,o-Xylenes)	119 - 2378	*ND	


 Sam Smith
 11-Nov-21
 5:49 PM

PREPARED BY / DATE


 Ryan Weems
 11-Nov-21
 5:52 PM

APPROVED BY / DATE

Definitions

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

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 A Meza

11:14 am, 11/17/2021



Certificate #4329.02

Prepared for:

Organic Hemp Oil 750mg
PET RELEASEF


Batch ID or Lot Number: 1121T401	Test: Metals	Reported: 11/10/21	Location: 8100 SOUTHPARK WAY A3 LITTLETON, CO 80120
Matrix: Unit	Test ID: T000174817	Started: 11/9/21	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS): Heavy Metals	Received: 11/05/2021 @ 09:45 AM	Sampler ID: N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.040 - 4.01	ND	
Cadmium	0.040 - 4.04	ND	
Mercury	0.041 - 4.11	ND	
Lead	0.040 - 4.04	ND	


 Sam Smith
 10-Nov-21
 10:17 AM

PREPARED BY / DATE


 Ryan Weems
 10-Nov-21
 10:20 AM

APPROVED BY / DATE




 A Meza

11:14 am, 11/17/2021

Definitions

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

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