CERTIFICATE OF ANALYSIS

PRODUCT NAME: Nano CBD Softgels

PRODUCT STRENGTH: 10 mg CBD

 BATCH:
 220419B

 BEST BY DATE:
 04/20/2024

 BULK LOT:
 21E0002754

Click on the links to view third-party reports

Physical Atttributes

Test	Method	Specification	Results
Color	Internal	Golden to Amber	PASS
Odor	Internal	No odor	PASS
Appearance	Internal	Dry, ovoid softgel capsules in container with lid and shrink-band	PASS
Primary Package Eval.	Internal	Container clean and free of filth. Container caps tight and shrink bands intact	PASS
Secondary Package Eval.	Internal	Labeling Compliance Checked, Cartons sturdy and clean. Sufficient cushion material exists. Box taped and secure.	PASS

Review of Third-Party Analysis

Panel	Method	Specification	Results*	Pass/Fail
Potency - Total CBD	HPLC-UV DAD	*NLT 10 mg / softgel	14.1 mg	PASS
Potency - D9-THC	HPLC-UV DAD	LOQ: >0.01% (broad spectrum)	Below LOQ	PASS
Expanded Pesticide Panel	HPLC-QQQ	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	Below LOQ	PASS
Microbial Escherichia coli (STEC)	PCR	Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram	Absent	PASS
Microbial Salmonella	PCR	Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram	Absent	PASS
Microbial Yeast and Mold	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10^2 CFU/gram	Below LOQ	PASS
Microbial Total Coliforms*	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10^2 CFU/gram	Below LOQ	PASS
Microbial Total Aerobic Count*	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10^3 CFU/gram	Below LOQ	PASS
Heavy Metals Panel	ICP-MS	Arsenic (As): ≤1.5 ppm Cadmium (Cd): ≤0.5 ppm Lead (Pb): ≤0.5 ppm Mercury (Hg): ≤1.5 ppm	Below LOQ	PASS
Mycotoxins	ICP-MS	Total Aflatoxins <20 ppb† Afltoxin B1 < 5 ppb Ochratoxin < 5ppb	Below LOQ	PASS
Residual Solvents	GC-HS-MSD	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	Below LOQ	PASS

**Level of Quantitation, † Parts Per Million † Part Per Billion CFU/g=Colony Forming Units per Gram *Nothing Less Than 10^2=100 CFU 10^3=1,000 CFU

Quality Certified

Keegan Schlittler
Keegan Schlittler

03/18/22

Date

Quality Assurance Manager



Official Compliance: Colorado CERTIFICATE OF ANALYSIS

10 mg capsule

Batch ID or Lot Number:

Test:

Reported:

21E0002754

Potency

9/29/21

Matrix:

Test ID:

Started:

Unit

T000165884

9/28/21

Status:

Method:

Received:

Sampler ID:

N/A

TM14 (HPLC-DAD): Potency -

09/27/2021 @ 11:11 AM

N/A

Standard Cannabinoid Analysis (Colorado Panel)

CANNABINOID PROFILE

Compound	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Netes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.216	0.727	ND	ND	Notes
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.244	0.820	ND	ND	# of Servings = 1
Cannabidiolic acid (CBDA)	0.306	0.775	ND	ND	Sample Weight=0.611g
Cannabidiol (CBD)	0.298	0.756	14.124	23.11	Semple Weight did 18
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.269	0.903	ND	ND	
Cannabinolic Acid (CBNA)	0.154	0.517	ND	ND	
Cannabinol (CBN)	0.070	0.237	ND	ND	
Cannabigerolic acid (CBGA)	0.226	0.758	ND	ND	
Cannabigerol (CBG)	0.054	0.181	0.878	1.44	
Tetrahydrocannabivarinic Acid (THCVA)	0.191	0.641	ND	ND	
Tetrahydrocannabivarin (THCV)	0.049	0.165	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.128	0.323	ND	ND	
Cannabidivarin (CBDV)	0.070	0.179	ND	ND	
Cannabichromenic Acid (CBCA)	0.087	0.292	ND	ND	
Cannabichromene (CBC)	0.095	0.319	ND	ND	
Total Cannabinoids	100		15.002	24.55	
Total Potential THC**			ND	ND	
Total Potential CBD**			14.124	23.11	

Daniel Western

Daniel Weidensaul 29-Sep-2021 01:41 PM

Somentha Simul

Sam Smith 29-Sep-21 1:44 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

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

* Indicates a value below the Limit of Quantitiation (LOQ) and above the Limit of Detection (LOD)

** 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 *(9.877)) and

Total CBD = CBD + (CBDa *(C.877))

Total Climabilioid result leflects the absolute sum of all cannabilities detected

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

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 OF ANALYSIS

10 mg capsule

Batch ID or Lot Number:

Test:

Reported:

21E0002754

Pesticides

9/29/21

Matrix: Concentrate Test ID:

t000165885

Started: 9/28/21

USDA License:

N/A

Author Military, There's

Status: N/A

Method:

TM17(LC-QQQ LC MS/MS):

Received:

Sampler ID:

09/27/2021 @ 11:11 AM

N/A

PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	41	ND	Fenoxycarb	42	ND	Paclobutrazol	42	ND
Acetamiprid	40	ND	Fipronil	33	ND	Permethrin	287	ND
Avermectin	316	ND	Flonicamid	51	ND	Phosmet	43	ND
Azoxystrobin	43	ND	Fludioxonil	295	ND	Prophos	293	ND
Bifenazate	46	ND	Hexythiazox	47	ND	Propoxur	41	ND
Boscalid	54	ND	Imazalil	284	ND	Pyridaben	298	ND
Carbaryl	39	ND	Imidacloprid	42	ND	Spinosad A	35	ND
Carbofuran	41	ND	Kresoxim-methyl	150	ND	Spinosad D	54	ND
Chlorantraniliprole	53	ND	Malathion	299	ND	Spiromesifen	272	ND
Chlorpyrifos	500	ND	Metalaxyl	43	ND	Spirotetramat	305	ND
Clofentezine	285	ND	Methiocarb	42	ND	Spiroxamine 1	18	ND
Diazinon	290	ND	Methomyl	44	ND	Spiroxamine 2	24	ND
Dichlorvos	290	ND	MGK 264 1	160	ND	Tebuconazole	290	ND
Dimethoate	42	ND	MGK 264 2	136	ND	Thiacloprid	41	ND
E-Fenpyroximate	317	ND	Myclobutanil	40	ND	Thiamethoxam	43	ND
Etofenprox	44	ND	Naled	44	ND	Trifloxystrobin	43	ND
Etoxazole	307	ND	Oxamyl	1500	ND	Vischill .		

Samantha Small

Sam Smith 9/29/2021 5:13:00 PM

Courtney Richards 9/29/2021 7:12:00 PM

PREPARED BY / DATE

Definitions

LOQ = Limit of Quantification ppb = Parts per Billion

APPROVED BY / DATE



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Official Compliance: Colorado CERTIFICATE OF ANALYSIS

SG10

Reported: Batch ID or Lot Number: Test: 22074B **Microbial** 3/17/22 21E0002754 **Contaminants** Test ID: Started: **USDA License:** Matrix: **Finished Product** T000197857 3/14/22 N/A Methods: Sampler ID: Status: Received: TM25 (qPCR) N/A 03/14/2022 @ 10:16 AM N/A

TM24, TM26, TM27(Culture Plating):

Microbial

MICROBIAL CONTAMINANTS DETERMINATION

Method	LOD	LLOQ	ULOQ	Result
TM-26, Culture Plating	10^2 CFU/g	10^3 CFU/g	1.5x10^5 CFU/g	None Detected
TM-27, Culture Plating	10^1 CFU/g	10^2 CFU/g	1.5x10^4 CFU/g	None Detected
TM-24, Culture Plating	10^1 CFU/g	10^2 CFU/g	1.5x10^4 CFU/g	None Detected
TM-25, PCR	10^0 CFU/25 g	NA	NA	Absent
TM-25, PCR	10^0 CFU/25 g	NA	NA	Absent
	TM-26, Culture Plating TM-27, Culture Plating TM-24, Culture Plating TM-25, PCR	TM-26, Culture Plating 10^2 CFU/g TM-27, Culture Plating 10^1 CFU/g TM-24, Culture Plating 10^1 CFU/g TM-25, PCR 10^0 CFU/25 g	TM-26, Culture Plating 10^2 CFU/g 10^3 CFU/g TM-27, Culture Plating 10^1 CFU/g 10^2 CFU/g TM-24, Culture Plating 10^1 CFU/g 10^2 CFU/g TM-25, PCR 10^0 CFU/25 g NA	TM-26, Culture Plating 10^2 CFU/g 10^3 CFU/g 1.5x10^5 CFU/g TM-27, Culture Plating 10^1 CFU/g 10^2 CFU/g 1.5x10^4 CFU/g TM-24, Culture Plating 10^1 CFU/g 10^2 CFU/g 1.5x10^4 CFU/g TM-25, PCR 10^0 CFU/25 g NA NA

Notes

Free from visual mold, mildew, and foreign matter

Brett Hudson 3/17/2022 1:12:00 PM

APPROVED BY / DATE

Carly Bader 3/17/2022 1:40:00 PM

PREPARED BY / DATE

Definitions

LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation CFU/g = Colony Forming Units per Gram | STEC = Shiga Toxin-Producing E. coli

* 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

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Official Compliance: Colorado CERTIFICATE OF ANALYSIS

10 mg capsule

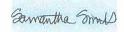
Batch ID or Lot Number: 21E0002754	Test: Metals	Reported: 9/30/21	
Matrix: Unit Co	Test ID: T000165887	Started: 9/29/21	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS): Heavy Metals (Colorado Panel)	Received: 09/27/2021 @ 11:11 AM	Sampler ID: N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.047 - 4.73	ND	
Cadmium	0.046 - 4.60	ND	
Mercury	0.044 - 4.38	ND	
Lead	0.048 - 4.76	ND	



Ryan Weems 30-Sep-21 12:59 PM



Sam Smith 30-Sep-21 1:02 PM

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Definitions

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



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Official Compliance: Colorado

CERTIFICATE OF ANALYSIS

10 mg capsule

Batch ID or Lot Number:

21E0002754

Mycotoxins

Reported:

10/1/21

Matrix:

Test ID:

Started:

USDA License:

N/A

Concentrate

T000165889

9/29/21

Status:

Method:

Received:

Sampler ID:

N/A

TM18 (UHPLC-QQQ LCMS/MS):

09/27/2021 @ 11:11 AM

N/A

Mycotoxins (Colorado Panel)

MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes	
Ochratoxin A	1.9 - 136	ND	N/A	
Aflatoxin B1	1.1 - 34.8	ND		
Aflatoxin B2	1.1 - 34.4	ND		
Aflatoxin G1	0.9 - 34.4	ND		
Aflatoxin G2	1.2 - 33.2	ND		
Total Aflatoxins (B1, B2, G1, and G2)		ND		



Sam Smith 30-Sep-21 11:46 AM

Courtney Richards 1-Oct-21 8:35 AM

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Definitions

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



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CDPHE Certified







Official Compliance: Colorado CERTIFICATE OF ANALYSIS

Joy Organic 10 mg capsule

Batch ID or Lot Number:

Test:

Reported:

21E0002754

Residual Solvents

9/29/21

Matrix: Test ID:

T000165888

Started: 9/29/21

USDA License:

N/A

Status:

N/A

N/A

Methods:

Received:

TM04 (GC-MS): Residual Solvents 09/27/2021 @ 11:11 AM

Sampler ID: N/A

(Colorado Panel)

RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes	
Propane	103 - 2061	*ND		
Butanes	207 - 4146	*ND		
(Isobutane, n-Butane)	207	110		
Methanol	75 - 1498	*ND		
Pentane	109 - 2174	*ND		
Ethanol	116 - 2321	*ND		
Acetone	118 - 2359	*ND		
Isopropyl Alcohol	128 - 2563	*ND		
Hexane	7 - 145	*ND		
Ethyl Acetate	120 - 2401	*ND		
Benzene	0 - 5	*ND		
Heptanes	114 - 2280	*ND		
Toluene	22 - 433	*ND		
Xylenes	157 2120	+110		
(m,p,o-Xylenes)	157 - 3138	*ND		

Daniel Westerman

Daniel Weidensaul 29-Sep-21 7:33 PM

Myon News

Ryan Weems 29-Sep-21 7:35 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

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





CDPHE Certified





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