

PRODUCT NAME: Nano CBD Softgels **PRODUCT STRENGTH:** 25 mg CBD

221220A **TINCTURE BATCH: BEST BY DATE:** 10/20/2024 **HEMP EXTRACT LOT:** 22BL08262

Physical Atttributes

Test	Method	Specification	Results
Color	Joy Internal	Golden to Amber	PASS
Odor	Joy Internal	No Odor	PASS
Appearance	Joy Internal	Dry, ovoid softgel capsules in container with lid and shrink-band	PASS
Primary Package Eval.	Joy Internal	Container clean and free of filth. Container caps tight and shrink bands intact	PASS
Secondary Package Eval.	Joy 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 25 mg / softgel	28.5mg	PASS
Potency - D9-THC	HPLC-UV DAD	LOQ: <0.01% (broad spectrum)	ND	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

1/4/2023

Date



CBD Softgels 25mg

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 1 of 5
221220A	Various	Concentrate	
Reported:	Started:	Received:	
30Nov2022	30Nov2022	29Nov2022	

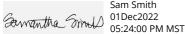
Cannabinoids - Colorado Compliance

Test ID: T000229064

Methods: TM14 (HPLC-DAD): Potency - Standard

Methods. Thir i (in Le Bitb). I otericy Standard					
Cannabinoid Analysis	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	ľ
Cannabichromene (CBC)	0.006	0.022	<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
Cannabichromenic Acid (CBCA)	0.006	0.020	ND	ND	
Cannabidiol (CBD)	0.022	0.059	7.649	76.49	
Cannabidiolic Acid (CBDA)	0.022	0.061	ND	ND	
Cannabidivarin (CBDV)	0.005	0.014	0.029	0.29	
Cannabidivarinic Acid (CBDVA)	0.009	0.025	ND	ND	
Cannabigerol (CBG)	0.004	0.013	0.496	4.96	
Cannabigerolic Acid (CBGA)	0.015	0.052	ND	ND	
Cannabinol (CBN)	0.005	0.016	ND	ND	,
Cannabinolic Acid (CBNA)	0.010	0.036	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.018	0.062	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.016	0.057	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.014	0.050	ND	ND	
Tetrahydrocannabivarin (THCV)	0.003	0.011	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.013	0.044	ND	ND	
Total Cannabinoids			8.174	81.74	
Total Potential THC			ND	ND	
Total Potential CBD			7.649	76.49	•
					-

Final Approval



PREPARED BY / DATE

Sam Smith

APPROVED BY / DATE

Karen Winternheimer 01Dec2022 Withheme 05:30:00 PM MST

Heavy Metals -

Colorado Compliance Test ID: T000229067

Methods: TM19 (ICP-MS): Heavy

Metals Dynamic Range (ppm) Result (ppm) **Notes** Arsenic 0.05 - 4.64 ND Cadmium 0.04 - 4.34 ND Mercury 0.04 - 4.41 ND Lead 0.05 - 4.77 ND

Final Approval



Colin Hendrickson 01Dec2022 10:03:00 AM MST



Sam Smith 01Dec2022 10:08:00 AM MST

APPROVED BY / DATE





CBD Softgels 25mg

Batch ID or Lot Number: 221220A	Test: Microbial Contaminants	Reported: 30Dec2022	USDA License: N/A	
Matrix:	Test ID:	Started:	Sampler ID:	
Finished Product	T000231396	27Dec2022	N/A	
	Method(s):	Received:	Status:	
	TM25 (qPCR) TM24, TM26, TM27	21Dec2022	Active	
	(Culture Plating): Microbial (Colorac	do		
	Panel)			

Microbial		Quantitation			
Contaminants	Method	LOD	Range	Result	Notes
STEC	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	Free from visual mold, mildew, and — foreign matter
Salmonella	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	_
Total Aerobic Count*	TM26: Culture Plating	10 ² CFU/g	1.0x10 ³ - 1.5x10 ⁵	None Detected	_
Total Coliforms*	TM27: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	_

Final Approval

Peret Tahun

Brett Hudson 30Dec2022 03:32:00 PM MST Buanne Maillot

Brianne Maillot 31Dec2022 05:32:00 PM MST



PREPARED BY / DATE

APPROVED BY / DATE

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Definitions

* 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

CFU/g = Colony Forming Units per Gram, LOD = Limit of Detection

ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation STEC = Shiga Toxin-Producing E. coli

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., 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 SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited by A2LA.











Cert #4329.02

CDPHE Certified 937475e2b6e44edf94c2f8563043c0b3.1



CBD Softgels 25mg

Batch ID or Lot Number: 221220A	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 2 of 5
Reported:	Started:	Received:	
30Nov2022	30Nov2022	29Nov2022	

Residual Solvents -Colorado Compliance

Test ID: T000229068

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	78 - 1570	ND	
Butanes (Isobutane, n-Butane)	153 - 3057	ND	•
Methanol	51 - 1020	ND	•
Pentane	82 - 1645	ND	
Ethanol	82 - 1638	ND	•
Acetone	83 - 1651	ND	
Isopropyl Alcohol	87 - 1747	ND	
Hexane	5 - 99	ND	_
Ethyl Acetate	85 - 1692	ND	
Benzene	0.2 - 3.4	ND	-
Heptanes	87 - 1741	ND	_
Toluene	15 - 303	ND	-
Xylenes (m,p,o-Xylenes)	111 - 2213	ND	-

Final Approval

PREPARED BY / DATE

Garrantha Grand 02Dec2022 06:37:00 PM MST

Sam Smith

APPROVED BY / DATE

Karen Winternheimer 02Dec2022 Winternheumer 06:41:00 PM MST



CBD Softgels 25mg

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 4 of 5
221220A	Various	Concentrate	
Reported:	Started:	Received:	
30Nov2022	30Nov2022	29Nov2022	

Pesticides

Test ID: T000229065 Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)
Abamectin	335 - 2667	ND
Acephate	41 - 2767	ND
Acetamiprid	42 - 2742	ND
Azoxystrobin	42 - 2720	ND
Bifenazate	40 - 2728	ND
Boscalid	44 - 2714	ND
Carbaryl	43 - 2725	ND
Carbofuran	42 - 2708	ND
Chlorantraniliprole	43 - 2667	ND
Chlorpyrifos	38 - 2642	ND
Clofentezine	279 - 2733	ND
Diazinon	276 - 2737	ND
Dichlorvos	280 - 2790	ND
Dimethoate	38 - 2742	ND
E-Fenpyroximate	294 - 2676	ND
Etofenprox	42 - 2681	ND
Etoxazole	306 - 2670	ND
Fenoxycarb	42 - 2736	ND
Fipronil	41 - 2666	ND
Flonicamid	47 - 2713	ND
Fludioxonil	267 - 2705	ND
Hexythiazox	39 - 2705	ND
Imazalil	250 - 2752	ND
Imidacloprid	47 - 2728	ND
Kresoxim-methyl	38 - 2747	ND

	Dynamic Range (ppb)	Result (ppb)
Malathion	290 - 2707	ND
Metalaxyl	38 - 2744	ND
Methiocarb	44 - 2686	ND
Methomyl	41 - 2754	ND
MGK 264 1	166 - 1627	ND
MGK 264 2	116 - 1113	ND
Myclobutanil	38 - 2682	ND
Naled	42 - 2756	ND
Oxamyl	40 - 2746	ND
Paclobutrazol	48 - 2701	ND
Permethrin	294 - 2686	ND
Phosmet	40 - 2702	ND
Prophos	290 - 2696	ND
Propoxur	42 - 2704	ND
Pyridaben	305 - 2654	ND
Spinosad A	32 - 2231	ND
Spinosad D	49 - 485	ND
Spiromesifen	290 - 2693	ND
Spirotetramat	278 - 2722	ND
Spiroxamine 1	18 - 1128	ND
Spiroxamine 2	22 - 1539	ND
Tebuconazole	285 - 2720	ND
Thiacloprid	42 - 2742	ND
Thiamethoxam	39 - 2769	ND
Trifloxystrobin	43 - 2732	ND

Final Approval

Samantha Smoth

PREPARED BY / DATE

Sam Smith 06Dec2022 11:07:00 AM MST

APPROVED BY / DATE

Karen Winternheimer 06Dec2022 Withhelmer 11:11:00 AM MST



CBD Softgels 25mg

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 5 of 5
221220A	Various	Concentrate	
Reported:	Started:	Received:	
30Nov2022	30Nov2022	29Nov2022	

Mycotoxins - Colorado Compliance

Test ID: T000229069

Methods: TM18 (UHPLC-QQQ

LCMS/MS): Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	4.52 - 126.01	ND	N/A
Aflatoxin B1	0.92 - 32.18	ND	
Aflatoxin B2	0.86 - 32.12	ND	
Aflatoxin G1	0.95 - 32.24	ND	
Aflatoxin G2	0.99 - 32.47	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval

Sawantha Small 07Dec2022 08:08:00 AM MST

Sam Smith

PREPARED BY / DATE

MENHUMA 08:09:00 AM MST

Karen Winternheimer 07Dec2022



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Definitions

LOD = Limit of Detection, ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation, PPB = Parts per Billion, % = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method). Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC + (Delta 9-THC + (Delta 9-THC + (0.877)) and Total CBD = CBD + (CBDa *(0.877)). Fail equates to a concentration level of Delta 9-THC, on a dry weight basis, higher than 0.3 percent + or - the measurement uncertainty. Total Potential THC 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)). ALOQ = Above Limit Of Quantitation (defined by dynamic range of the method), CFU/g = Colony Forming Units 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.

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