

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Nano CBD Softgels
PRODUCT STRENGTH: 25 mg CBD
TINCTURE BATCH: 7876
BEST BY DATE: 12/21/2024
HEMP EXTRACT LOT: 22BL07876

Physical Attributes


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 25 mg / softgel	30mg	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† Aflatoxin 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
 10²=100 CFU
 10³=1,000 CFU

Quality Certified



 Name

4/19/2023

Date

25mg CBD Softgels


Batch ID or Lot Number: SG25-7876	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 3 of 6
Reported: 16Jan2023	Started: 13Jan2023	Received: 12Jan2023	


Cannabinoids - Colorado Compliance

Test ID: T000232724
Methods: TM14 (HPLC-DAD): Potency – Standard

Cannabinoid Analysis	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.053	0.166	<LOQ	<LOQ	# of Servings = 1 Sample Weight=0.631g
Cannabichromenic Acid (CBCA)	0.048	0.152	ND	ND	
Cannabidiol (CBD)	0.143	0.463	30.369	48.16	
Cannabidiolic Acid (CBDA)	0.146	0.475	ND	ND	
Cannabidivarin (CBDV)	0.034	0.110	<LOQ	<LOQ	
Cannabidivarinic Acid (CBDVA)	0.061	0.198	ND	ND	
Cannabigerol (CBG)	0.030	0.094	1.923	3.05	
Cannabigerolic Acid (CBGA)	0.126	0.394	ND	ND	
Cannabinol (CBN)	0.039	0.123	ND	ND	
Cannabinolic Acid (CBNA)	0.086	0.269	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.150	0.469	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.136	0.426	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.121	0.377	ND	ND	
Tetrahydrocannabivarin (THCV)	0.027	0.086	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.106	0.333	ND	ND	
Total Cannabinoids			32.292	51.21	
Total Potential THC			ND	ND	
Total Potential CBD			30.369	48.16	

Final Approval


Sam Smith
16Jan2023
03:51:00 PM MST
PREPARED BY / DATE


Karen Winternheimer
16Jan2023
03:55:00 PM MST
APPROVED BY / DATE

25mg CBD Softgels

Batch ID or Lot Number: SG25-7876	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 1 of 6
Reported: 16Jan2023	Started: 13Jan2023	Received: 12Jan2023	


Residual Solvents - Colorado Compliance

Test ID: T000232728


Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	92 - 1841	ND	
Butanes (Isobutane, n-Butane)	185 - 3701	ND	
Methanol	56 - 1120	ND	
Pentane	93 - 1866	ND	
Ethanol	96 - 1915	ND	
Acetone	93 - 1850	ND	
Isopropyl Alcohol	98 - 1962	ND	
Hexane	6 - 115	ND	
Ethyl Acetate	94 - 1884	ND	
Benzene	0.2 - 3.6	ND	
Heptanes	94 - 1887	ND	
Toluene	18 - 350	ND	
Xylenes (m,p,o-Xylenes)	130 - 2596	ND	

Final Approval


Samantha Smith
16Jan2023
11:49:00 AM MST

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Karen Winternheimer
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25mg CBD Softgels


Batch ID or Lot Number: SG25-7876	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 2 of 6
Reported: 16Jan2023	Started: 13Jan2023	Received: 12Jan2023	

Microbial Contaminants - Colorado Compliance

Test ID: T000232726
Methods: TM25 (qPCR) TM24, TM26,
TM27 (Culture Plating): Microbial
(Colorado Panel)

	Method	LOD	Quantitation 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


Brianne Maillot
15Jan2023
10:41:00 AM MST

PREPARED BY / DATE


Eden Thompson-Wright
16Jan2023
01:39:00 PM MST


APPROVED BY / DATE

Heavy Metals - Colorado Compliance


Test ID: T000232727
Methods: TM19 (ICP-MS): Heavy
Metals

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.50	ND	
Cadmium	0.05 - 4.60	ND	
Mercury	0.05 - 4.56	ND	
Lead	0.04 - 4.37	ND	

Final Approval


Sam Smith
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Karen Winternheimer
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25mg CBD Softgels

Batch ID or Lot Number: SG25-7876	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 4 of 6
Reported: 16Jan2023	Started: 13Jan2023	Received: 12Jan2023	

Mycotoxins - Colorado Compliance


Test ID: T000232729

Methods: TM18 (UHPLC-QQQ)

LCMS/MS: Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	4.52 - 133.00	ND	N/A
Aflatoxin B1	1.12 - 33.37	ND	
Aflatoxin B2	1.06 - 33.57	ND	
Aflatoxin G1	1.15 - 33.64	ND	
Aflatoxin G2	1.09 - 33.54	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval


 Sam Smith
 19Jan2023
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 Karen Winternheimer
 19Jan2023
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25mg CBD Softgels

Batch ID or Lot Number: SG25-7876	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 5 of 6
Reported: 16Jan2023	Started: 13Jan2023	Received: 12Jan2023	


Pesticides


Test ID: T000232725

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	320 - 2724	ND		Malathion	293 - 2732	ND
Acephate	43 - 2822	ND		Metalaxyl	41 - 2751	ND
Acetamiprid	41 - 2774	ND		Methiocarb	45 - 2813	ND
Azoxystrobin	44 - 2723	ND		Methomyl	39 - 2813	ND
Bifenazate	46 - 2720	ND		MGK 264 1	174 - 1627	ND
Boscalid	38 - 2883	ND		MGK 264 2	116 - 1134	ND
Carbaryl	43 - 2739	ND		Myclobutanil	55 - 2829	ND
Carbofuran	42 - 2712	ND		Naled	48 - 2745	ND
Chlorantraniliprole	49 - 2785	ND		Oxamyl	39 - 2802	ND
Chlorpyrifos	50 - 2727	ND		Paclobutrazol	50 - 2693	ND
Clofentezine	286 - 2736	ND		Permethrin	166 - 2792	ND
Diazinon	270 - 2724	ND		Phosmet	39 - 2724	ND
Dichlorvos	280 - 2782	ND		Prophos	291 - 2829	ND
Dimethoate	40 - 2774	ND		Propoxur	43 - 2732	ND
E-Fenpyroximate	284 - 2729	ND		Pyridaben	295 - 2726	ND
Etofenprox	43 - 2709	ND		Spinosad A	35 - 2252	ND
Etoxazole	295 - 2729	ND		Spinosad D	48 - 494	ND
Fenoxycarb	40 - 2754	ND		Spiromesifen	284 - 2752	ND
Fipronil	68 - 2730	ND		Spirotetramat	283 - 2758	ND
Flonicamid	55 - 2849	ND		Spiroxamine 1	18 - 1193	ND
Fludioxonil	288 - 2866	ND		Spiroxamine 2	19 - 1620	ND
Hexythiazox	45 - 2748	ND		Tebuconazole	270 - 2766	ND
Imazalil	251 - 2736	ND		Thiacloprid	43 - 2779	ND
Imidacloprid	48 - 2784	ND		Thiamethoxam	34 - 2824	ND
Kresoxim-methyl	43 - 2766	ND		Trifloxystrobin	42 - 2745	ND

Final Approval


 Karen Winternheimer
 20Jan2023
 09:04:00 AM MST
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 Sam Smith
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