CERTIFICATE OF ANALYSIS

PRODUCT NAME: Nano CBD Softgels with Melatonin
PRODUCT STRENGTH: 25 mg CBD / 3 mg Melatonin / 3mg CBN
TINCTURE BATCH: 240516A
BEST BY DATE: 4/30/2026
HEMP EXTRACT LOT: 24041801

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	*NTL 25mg / softgel	**28mg**	PASS
Potency - D9-THC	HPLC-UV DAD	LOQ: <0.01% THC (Broad Spectrum)	**ND**	PASS
Expanded Pesticide Panel	HPLC-QQQ	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	**ND**	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	**ND**	PASS
Mycotoxins	ICP-MS	Total Aflatoxins <20 ppb† Afltoxin B1 < 5 ppb Ochratoxin < 5ppb	**ND**	PASS
Residual Solvents	GC-HS-MSD	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	**ND**	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 — Name — **5/31/2024** Date

SC Labs®
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CERTIFICATE OF ANALYSIS

25mg Melatonin Softgels

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 3 of 6
240516A	Various	Finished Product	
Reported:	**Started:**	**Received:**	
30Apr2024	30Apr2024	26Apr2024	

Cannabinoids - Colorado Compliance

Test ID: T000278685
Methods: TM14 (HPLC-DAD): Potency – Standard

Cannabinoid Analysis	**LOD** (mg)	**LOQ** (mg)	**Result** (mg)	**Result** (mg/g)	**Notes**
Cannabichromene (CBC)	0.046	0.158	<LOQ	<LOQ	# of Servings = 1 Sample Weight=0.552g
Cannabichromenic Acid (CBCA)	0.042	0.144	ND	ND	
Cannabidiol (CBD)	0.145	0.426	28.719	52.07	
Cannabidiolic Acid (CBDA)	0.149	0.436	ND	ND	
Cannabidivarin (CBDV)	0.034	0.101	0.184	0.33	
Cannabidivarinic Acid (CBDVA)	0.062	0.182	ND	ND	
Cannabigerol (CBG)	0.026	0.090	2.050	3.72	
Cannabigerolic Acid (CBGA)	0.110	0.375	ND	ND	
Cannabinol (CBN)	0.034	0.117	3.307	6.00	
Cannabinolic Acid (CBNA)	0.075	0.256	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.131	0.446	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.119	0.405	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.105	0.359	ND	ND	
Tetrahydrocannabivarin (THCV)	0.024	0.082	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.093	0.317	ND	ND	
Total Cannabinoids			**34.260**	**62.12**	
Total Potential THC			ND	ND	
Total Potential CBD			28.719	52.07	

Final Approval

Karen Winternheimer
02May2024
01:42:00 PM MDT
PREPARED BY / DATE

Phillip Travisano
02May2024
01:44:00 PM MDT
APPROVED BY / DATE

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CERTIFICATE OF ANALYSIS

25mg Melatonin Softgels

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 4 of 6
240516A	Various	Finished Product	
Reported:	**Started:**	**Received:**	
30Apr2024	30Apr2024	26Apr2024	

Pesticides

Test ID: T000278686
Methods: TM17

(LC-QQ LC MS/MS)	**Dynamic Range** (ppb)	**Result** (ppb)		**Dynamic Range** (ppb)	**Result** (ppb)
Abamectin	254 - 2693	ND	Malathion	279 - 2683	ND
Acephate	40 - 2756	ND	Metalaxyl	40 - 2689	ND
Acetamiprid	37 - 2694	ND	Methiocarb	41 - 2740	ND
Azoxystrobin	43 - 2687	ND	Methomyl	37 - 2756	ND
Bifenazate	41 - 2679	ND	MGK 264 1	163 - 1640	ND
Boscalid	37 - 2738	ND	MGK 264 2	106 - 1093	ND
Carbaryl	40 - 2716	ND	Myclobutanil	42 - 2774	ND
Carbofuran	40 - 2713	ND	Naled	45 - 2668	ND
Chlorantraniliprole	36 - 2729	ND	Oxamyl	38 - 2750	ND
Chlorpyrifos	46 - 2784	ND	Paclobutrazol	40 - 2719	ND
Clofentezine	281 - 2757	ND	Permethrin	270 - 2774	ND
Diazinon	274 - 2701	ND	Phosmet	40 - 2557	ND
Dichlorvos	264 - 2713	ND	Prophos	288 - 2747	ND
Dimethoate	37 - 2714	ND	Propoxur	41 - 2721	ND
E-Fenpyroximate	257 - 2806	ND	Pyridaben	284 - 2801	ND
Etofenprox	41 - 2768	ND	Spinosad A	32 - 2096	ND
Etoxazole	286 - 2697	ND	Spinosad D	68 - 672	ND
Fenoxycarb	43 - 2663	ND	Spiromesifen	285 - 2747	ND
Fipronil	56 - 2801	ND	Spirotetramat	291 - 2781	ND
Flonicamid	40 - 2738	ND	Spiroxamine 1	15 - 1028	ND
Fludioxonil	313 - 2754	ND	Spiroxamine 2	23 - 1621	ND
Hexythiazox	42 - 2800	ND	Tebuconazole	274 - 2683	ND
Imazalil	276 - 2730	ND	Thiacloprid	40 - 2712	ND
Imidacloprid	43 - 2767	ND	Thiamethoxam	39 - 2752	ND
Kresoxim-methyl	41 - 2741	ND	Trifloxystrobin	42 - 2740	ND

Final Approval

Karen Winternheimer
03May2024
10:16:00 AM MDT
PREPARED BY / DATE

Phillip Travisano
03May2024
10:19:00 AM MDT
APPROVED BY / DATE

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CERTIFICATE OF ANALYSIS

25mg Melatonin Softgels

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 1 of 6
240516A	Various	Finished Product	
Reported:	Started:	Received:	
30Apr2024	30Apr2024	26Apr2024	

Heavy Metals - Colorado Compliance

Test ID: T000278688
Methods: TM19 (ICP-MS): Heavy Metals

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Arsenic	0.05 - 4.74	ND	
Cadmium	0.05 - 4.91	ND	
Mercury	0.05 - 4.77	ND	
Lead	0.01 - 0.79	ND	

Final Approval

Karen Winternheimer
30Apr2024
04:38:00 PM MDT
PREPARED BY / DATE

Colin Hendrickson
30Apr2024
05:08:00 PM MDT
APPROVED BY / DATE

25mg Melatonin Softgels

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 2 of 6
240516A	Various	Finished Product	
Reported:	Started:	Received:	
30Apr2024	30Apr2024	26Apr2024	

Residual Solvents - Colorado Compliance

Test ID: T000278689
Methods: TM04 (GC-MS): Residual Solvents

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Propane	67 - 1334	ND	
Butanes (Isobutane, n-Butane)	139 - 2784	ND	
Methanol	54 - 1083	ND	
Pentane	75 - 1501	ND	
Ethanol	84 - 1678	ND	
Acetone	87 - 1746	ND	
Isopropyl Alcohol	92 - 1844	ND	
Hexane	5 - 109	ND	
Ethyl Acetate	90 - 1808	ND	
Benzene	0.2 - 3.6	ND	
Heptanes	84 - 1683	ND	
Toluene	16 - 327	ND	
Xylenes (m,p,o-Xylenes)	118 - 2361	ND	

Final Approval

Karen Winternheimer
01May2024
08:18:00 AM MDT
PREPARED BY / DATE

Phillip Travisano
01May2024
08:19:00 AM MDT
APPROVED BY / DATE

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CERTIFICATE OF ANALYSIS

25mg Melatonin Softgels

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 5 of 6
240516A	Various	Finished Product	
Reported:	Started:	Received:	
30Apr2024	30Apr2024	26Apr2024	

Microbial Contaminants - Colorado Compliance

Test ID: T000278687
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

Brett Hudson
03May2024
12:13:00 PM MDT
PREPARED BY / DATE

Brianne Maillot
04May2024
07:30:00 PM MDT
APPROVED BY / DATE

Mycotoxins - Colorado Compliance

Test ID: T000278690
Methods: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.41 - 128.82	ND	N/A
Aflatoxin B1	0.97 - 32.07	ND	
Aflatoxin B2	1.07 - 32.17	ND	
Aflatoxin G1	0.91 - 32.32	ND	
Aflatoxin G2	1.07 - 32.54	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval

Karen Winternheimer
06May2024
02:39:00 PM MDT
PREPARED BY / DATE

Colin Hendrickson
06May2024
02:40:00 PM MDT
APPROVED BY / DATE

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Official Compliance: Colorado

CERTIFICATE OF ANALYSIS

25mg Melatonin Softgels

Batch ID or Lot Number:	Test:	Reported:	USDA License:
240516A	**Microbial Contaminants**	**24May2024**	N/A
Matrix:	Test ID:	Started:	Sampler ID:
Finished Product	T000281403	20May2024	N/A
	Method(s): TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel)	Received: 17May2024	Status: Active

Microbial Contaminants

	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
23May2024
05:05:00 PM MDT

PREPARED BY / DATE

Brett Hudson
24May2024
10:04:00 AM MDT

APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/6ee6e46b-c1cd-491a-9513-5638a1754fa4

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: 10^2 = 100 CFU, 10^3 = 1,000 CFU, 10^4 = 10,000 CFU, 10^5 = 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 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological.

Cert #4329.02

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