

# CERTIFICATE OF ANALYSIS

**PRODUCT NAME:** Nano CBD Softgels with Curcumin  
**PRODUCT STRENGTH:** 25 mg CBD / 250mg Curcumin  
**TINCTURE BATCH:** 240409B  
**BEST BY DATE:** 3/31/26  
**HEMP EXTRACT LOT:** 00720

### Physical Attributes


Test	Method	Specification	Results
Color	Internal	Red	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
<b>Potency - Total CBD</b>	HPLC-UV DAD	*NTL 25mg / softgel	<b>26mg</b>	PASS
<b>Potency - D9-THC</b>	HPLC-UV DAD	LOQ: <0.01% THC (Broad Spectrum)	<b>ND</b>	PASS
<b>Expanded Pesticide Panel</b>	HPLC-QQQ	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	<b>ND</b>	PASS
<b>Microbial</b> Escherichia coli (STEC)	PCR	Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram	<b>Absent</b>	PASS
<b>Microbial</b> Salmonella	PCR	Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram	<b>Absent</b>	PASS
<b>Microbial</b> Yeast and Mold	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10 <sup>2</sup> CFU/gram	<b>Below LOQ</b>	PASS
<b>Microbial</b> Total Coliforms*	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10 <sup>2</sup> CFU/gram	<b>Below LOQ</b>	PASS
<b>Microbial</b> Total Aerobic Count*	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10 <sup>3</sup> CFU/gram	<b>Below LOQ</b>	PASS
<b>Heavy Metals Panel</b>	ICP-MS	Arsenic (As): ≤1.5 ppm Cadmium (Cd): ≤0.5 ppm Lead (Pb): ≤0.5 ppm Mercury (Hg): ≤1.5 ppm	<b>ND</b>	PASS
<b>Mycotoxins</b>	ICP-MS	Total Aflatoxins <20 ppb† Aflatoxin B1 < 5 ppb Ochratoxin < 5ppb	<b>ND</b>	PASS
<b>Residual Solvents</b>	GC-HS-MSD	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	<b>ND</b>	PASS

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

Quality Certified

  
 \_\_\_\_\_  
 Name

4/10/24

Date

## 25mg Curcumin Softgels

Batch ID or Lot Number: <b>240409B</b>	Test, Test ID and Methods: Various	Matrix: Unit	Page 1 of 6
Reported: <b>03Apr2024</b>	Started: 03Apr2024	Received: 03Apr2024	


### Cannabinoids - Colorado Compliance

Test ID: T000276376

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

Cannabinoid Analysis	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.049	0.139	ND	ND	# of Servings = 1 Sample Weight=0.582g
Cannabichromenic Acid (CBCA)	0.045	0.127	ND	ND	
Cannabidiol (CBD)	0.126	0.400	26.667	45.80	
Cannabidiolic Acid (CBDA)	0.130	0.410	ND	ND	
Cannabidivarin (CBDV)	0.030	0.095	<LOQ	<LOQ	
Cannabidivarinic Acid (CBDVA)	0.054	0.171	ND	ND	
Cannabigerol (CBG)	0.028	0.079	2.368	4.07	
Cannabigerolic Acid (CBGA)	0.117	0.330	ND	ND	
Cannabinol (CBN)	0.036	0.103	ND	ND	
Cannabinolic Acid (CBNA)	0.080	0.225	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.139	0.393	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.126	0.357	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.112	0.316	ND	ND	
Tetrahydrocannabivarin (THCV)	0.025	0.072	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.099	0.279	ND	ND	
<b>Total Cannabinoids</b>			<b>29.035</b>	<b>49.87</b>	
Total Potential THC			ND	ND	
Total Potential CBD			26.667	45.80	

#### Final Approval

  
 Karen Winternheimer  
 03Apr2024  
 04:21:00 PM MDT  
 PREPARED BY / DATE

  
 Phillip Travisano  
 03Apr2024  
 04:22:00 PM MDT  
 APPROVED BY / DATE

## 25mg Curcumin Softgels

Batch ID or Lot Number: <b>240409B</b>	Test, Test ID and Methods: Various	Matrix: Unit	Page 2 of 6
Reported: <b>03Apr2024</b>	Started: 03Apr2024	Received: 03Apr2024	


### Residual Solvents - Colorado Compliance

Test ID: T000276380

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	116 - 2325	ND	
Butanes (Isobutane, n-Butane)	231 - 4621	ND	
Methanol	69 - 1370	ND	
Pentane	88 - 1756	ND	
Ethanol	102 - 2039	ND	
Acetone	106 - 2122	ND	
Isopropyl Alcohol	119 - 2387	ND	
Hexane	6 - 130	ND	
Ethyl Acetate	111 - 2226	ND	
Benzene	0.2 - 4.5	ND	
Heptanes	100 - 2000	ND	
Toluene	21 - 420	ND	
Xylenes (m,p,o-Xylenes)	158 - 3164	ND	

#### Final Approval

 Karen Winternheimer  
04Apr2024  
05:45:00 PM MDT

PREPARED BY / DATE

 Phillip Travisano  
04Apr2024  
05:46:00 PM MDT

APPROVED BY / DATE

## 25mg Curcumin Softgels

Batch ID or Lot Number: <b>240409B</b>	Test, Test ID and Methods: Various	Matrix: Unit	Page 3 of 6
Reported: <b>03Apr2024</b>	Started: 03Apr2024	Received: 03Apr2024	

## Heavy Metals - Colorado Compliance

Test ID: T000276379

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 5.01	ND	
Cadmium	0.05 - 4.78	ND	
Mercury	0.05 - 4.90	ND	
Lead	0.05 - 4.89	ND	

### Final Approval

  
Phillip Travisano  
05Apr2024  
04:17:00 PM MDT  
PREPARED BY / DATE

  
Phillip Travisano  
05Apr2024  
04:29:00 PM MDT  
APPROVED BY / DATE

## 25mg Curcumin Softgels

Batch ID or Lot Number: <b>240409B</b>	Test, Test ID and Methods: Various	Matrix: Unit	Page 4 of 6
Reported: <b>03Apr2024</b>	Started: 03Apr2024	Received: 03Apr2024	


### Pesticides


Test ID: T000276377

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	299 - 2671	ND		Malathion	294 - 2751	ND
Acephate	42 - 2803	ND		Metalaxyl	46 - 2719	ND
Acetamiprid	43 - 2752	ND		Methiocarb	45 - 2811	ND
Azoxystrobin	46 - 2748	ND		Methomyl	43 - 2799	ND
Bifenazate	43 - 2719	ND		MGK 264 1	163 - 1658	ND
Boscalid	41 - 2797	ND		MGK 264 2	112 - 1103	ND
Carbaryl	41 - 2747	ND		Myclobutanil	48 - 2815	ND
Carbofuran	42 - 2713	ND		Naled	44 - 2731	ND
Chlorantraniliprole	49 - 2795	ND		Oxamyl	43 - 2820	ND
Chlorpyrifos	56 - 2769	ND		Paclobutrazol	40 - 2749	ND
Clofentezine	274 - 2752	ND		Permethrin	280 - 2796	ND
Diazinon	289 - 2729	ND		Phosmet	42 - 2606	ND
Dichlorvos	268 - 2766	ND		Prophos	286 - 2805	ND
Dimethoate	46 - 2757	ND		Propoxur	42 - 2727	ND
E-Fenpyroximate	257 - 2846	ND		Pyridaben	278 - 2743	ND
Etofenprox	43 - 2770	ND		Spinosad A	33 - 2116	ND
Etoxazole	277 - 2707	ND		Spinosad D	62 - 689	ND
Fenoxycarb	47 - 2750	ND		Spiromesifen	255 - 2769	ND
Fipronil	34 - 2836	ND		Spirotetramat	279 - 2838	ND
Flonicamid	57 - 2841	ND		Spiroxamine 1	16 - 1078	ND
Fludioxonil	293 - 2763	ND		Spiroxamine 2	25 - 1643	ND
Hexythiazox	42 - 2792	ND		Tebuconazole	297 - 2751	ND
Imazalil	272 - 2750	ND		Thiacloprid	45 - 2773	ND
Imidacloprid	46 - 2876	ND		Thiamethoxam	43 - 2835	ND
Kresoxim-methyl	51 - 2791	ND		Trifloxystrobin	44 - 2739	ND

### Final Approval

 Karen Winternheimer  
08Apr2024  
12:59:00 PM MDT  
PREPARED BY / DATE

 Phillip Travisano  
08Apr2024  
01:01:00 PM MDT  
APPROVED BY / DATE

## 25mg Curcumin Softgels


Batch ID or Lot Number: <b>240409B</b>	Test, Test ID and Methods: Various	Matrix: Unit	Page 5 of 6
Reported: <b>03Apr2024</b>	Started: 03Apr2024	Received: 03Apr2024	

### Microbial Contaminants - Colorado Compliance

Test ID: T000276378  
Methods: TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel)

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

#### Final Approval

  
Brett Hudson  
08Apr2024  
10:28:00 AM MDT

PREPARED BY / DATE

  
Brianne Maillot  
08Apr2024  
01:08:00 PM MDT


APPROVED BY / DATE

### Mycotoxins - Colorado Compliance

Test ID: T000276381  
Methods: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.17 - 131.68	ND	N/A
Aflatoxin B1	0.95 - 33.86	ND	
Aflatoxin B2	0.92 - 33.76	ND	
Aflatoxin G1	1.08 - 33.99	ND	
Aflatoxin G2	2.96 - 33.96	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

#### Final Approval

  
Karen Winterheimer  
09Apr2024  
01:13:00 PM MDT

PREPARED BY / DATE

  
Phillip Travisano  
09Apr2024  
01:16:00 PM MDT

APPROVED BY / DATE