

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Nano CBD Softgels with Curcumin
PRODUCT STRENGTH: 25mg CBD / 250mg Curcumin
TINCTURE BATCH: 240610B
BEST BY DATE: 3/31/26
HEMP EXTRACT LOT: 00720

Physical Attributes

Test	Method	Specification	Results
Color	Joy Internal	Red	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	*NTL 25mg / softgel	26mg	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† Aflatoxin 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
 10²=100 CFU
 10³=1,000 CFU

Quality Certified

Name



6/17/2024

Date

25mg Curcumin Softgels

Batch ID or Lot Number: 240610B	Test, Test ID and Methods: Various	Matrix: Unit	Page 1 of 6
Reported: 03Apr2024	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	
Total Cannabinoids			29.035	49.87	
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: 240610B	Test, Test ID and Methods: Various	Matrix: Unit	Page 2 of 6
Reported: 03Apr2024	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



APPROVED BY / DATE

Phillip Travisano
04Apr2024
05:46:00 PM MDT

25mg Curcumin Softgels

Batch ID or Lot Number: 240610B	Test, Test ID and Methods: Various	Matrix: Unit	Page 3 of 6
Reported: 03Apr2024	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


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


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

25mg Curcumin Softgels

Batch ID or Lot Number: 240610B	Test, Test ID and Methods: Various	Matrix: Unit	Page 4 of 6
Reported: 03Apr2024	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 Winterheimer
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: 240610B	Test: Microbial Contaminants	Reported: 17Jun2024	USDA License: N/A
Matrix: Finished Product	Test ID: T000283896	Started: 12Jun2024	Sampler ID: N/A
	Method(s): TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel)	Received: 12Jun2024	Status: Active

Microbial

Contaminants

Contaminants	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	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
17Jun2024
03:08:00 PM MDT

PREPARED BY / DATE



Brianne Maillot
17Jun2024
03:46:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/f9b64431-3617-4c2b-8cda-bf189cfe5226>

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 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological.



Cert #4329.02



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