

# CERTIFICATE OF ANALYSIS

**PRODUCT NAME:** Nano CBD Softgels  
**PRODUCT STRENGTH:** 100 mg CBD  
**TINCTURE BATCH:** 240827A  
**BEST BY DATE:** 7/31/2026  
**HEMP EXTRACT LOT:** 24072001

### 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
<b>Potency - Total CBD</b>	HPLC-UV DAD	*NLT 100 mg / softgel	<b>95mg</b>	PASS
<b>Potency - D9-THC</b>	HPLC-UV DAD	LOQ: >0.01% (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>Below LOQ</b>	PASS
<b>Microbial</b> Salmonella	PCR	Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram	<b>Below LOQ</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† Afltoxin 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



8/30/24

Date



**Certificate of Analysis**  
Compliance Test

Batch # 240827A Test Reg State: Colorado  
Batch Date: 2024-07-22  
Extracted From: Hemp

Order Date: 2024-07-26  
Sample # AAFU470

Sampling Date: 2024-08-01  
Lab Batch Date: 2024-08-01  
Orig. Completion Date: 2024-08-06

Number of Units: 1  
Net Weight per Unit: 360.000 mg

**Potency Tested**
**Pesticides Passed**
**Mycotoxins Passed**
**Heavy Metals Passed**
**Residual Solvents Passed**

**Microbiology Petrifilm Passed**

Product Image

**Potency 10**  
Specimen Weight: 507.430 mg

**Tested**  
SOP13.001 (LCUV)

**Potency Summary**

<b>Total Active THC</b> None Detected	<b>Total Active CBD</b> 26.510%
<b>Total CBG</b> 1.777% 6.397 mg	<b>Total CBN</b> None Detected
<b>Total Cannabinoids</b> 28.405% 102.258 mg	

Pieces For Panel: 85

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBD	50.000	5.40E-5	0.015	265.100	26.510
CBG	50.000	2.48E-4	0.015	17.770	1.777
CBDV	50.000	6.50E-5	0.015	1.180	0.118
CBC	50.000	1.80E-5	0.015	<LOQ	<LOQ
CBDA	50.000	1.00E-5	0.015	<LOQ	<LOQ
CBGA	50.000	8.00E-5	0.015	<LOQ	<LOQ
CBN	50.000	1.40E-5	0.015	<LOQ	<LOQ
Delta-9 THC	50.000	1.30E-5	0.015	<LOQ	<LOQ
THCA-A	50.000	3.20E-5	0.015	<LOQ	<LOQ
THCV	50.000	7.00E-6	0.015	<LOQ	<LOQ
Total Active CBD	50.000			265.100	26.510
Total Active THC	50.000			<LOQ	<LOQ

Aixia Sun Lab Director/Principal Scientist  
D.H.Sc., M.Sc., B.Sc., MT (AAB)

Definitions and Abbreviations used in this report: Total Active CBD = CBD + (CBD-A \* 0.877), \*Total CBDV = CBDV + (CBDVA \* 0.867), Total Active THC = THCA-A \* 0.877 + Delta 9 THC, Total THC = THC + (THCVA \* 0.87), CBG Total = (CBGA \* 0.878) + CBG, CBN Total = (CBNA \* 0.876) + CBN, Total CBC = CBC + (CBCA \* 0.877), Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, Total THCP = Delta8-THCP + Delta9-THCP, Total Cannabinoids = Total percentage of cannabinoids within the sample. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor, (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram, (µg/g) = Microgram per Gram, (ppm) = Parts per Million, (µg/g), (aw) = Water Activity, (mg/kg) = Milligram per Kilogram. ACS uses simple acceptance criteria. Passed - Analyte/microbe is not detected or is at the level below the action limit per CO rule 6 CCR 1010-21. Failed - Analyte/microbe is at the level that equal or above the action limit per CO rule 6 CCR 1010-21. Sample not received via laboratory sampling. Pesticides indicators: 1=FL LOD/LOQ/AL; 2= CO LOD/LOQ/AL; 3 = CO LOD/ACS CO LOQ Revised report- see statement of amendment above.

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Batch Date: 2024-07-22  
Extracted From: Hemp

Order Date: 2024-07-26 Sample # AAFU470  
Sampling Date: 2024-08-01 Lab Batch Date: 2024-08-01  
Initial Gross Weight: 102.400 g Number of Units: 1  
Net Weight per Unit: 360.000 mg  
Orig. Completion Date: 2024-08-06

**Microbiology (PetriFilm) - CO**  
Specimen Weight: 993.400 mg

**Passed**  
SOP13.003 (PetriFilm)

Dilution Factor: 1.000

Analyte	LOQ (cfu/g)	Action Limit (cfu/g)	Result (cfu/g)	Analyte	LOQ (cfu/g)	Action Limit (cfu/g)	Result (cfu/g)
Aerobic Bacteria	10	10000	<10	Yeast/Mold	10	1000	<10
Total Coliform	10	100	<10				

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Order Date: 2024-07-26 Sample # AAFU470  
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Initial Gross Weight: 102.400 g  
Number of Units: 1  
Net Weight per Unit: 360.000 mg  
Orig. Completion Date: 2024-08-06

**Mycotoxins - CO** **Passed**  
Specimen Weight: 584.200 mg SOP13.007 (LCMS)

Dilution Factor: 2.570

Analyte	LOD (ppb)	LOQ (ppb)	Action Limit (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Limit (ppb)	Result (ppb)
Aflatoxin B1	3.7250E-1	2.5	5	<LOQ	Ochratoxin A	1.8997E-1	3.5	5	<LOQ
Aflatoxin Total		2.5	20	<LOQ					

**Residual Solvents - CO** **Passed**  
Specimen Weight: 314.400 mg SOP13.039 (GCMS)

Dilution Factor: 84.930

Analyte	LOD (ppm)	LOQ (ppm)	Action Limit (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Action Limit (ppm)	Result (ppm)
Acetone	0.015	2.08	1000	<LOQ	Isopropyl alcohol	0.0048	1.39	1000	<LOQ
Benzene	0.0002	0.02	2	<LOQ	Methanol	0.0005	0.69	600	<LOQ
Butanes	0.4167	2.5	1000	<LOQ	Pentane	0.037	2.08	1000	<LOQ
Ethanol	0.0021	2.78	NA	<LOQ	Propane	0.031	5.83	1000	<LOQ
Ethyl Acetate	0.0012	1.11	1000	<LOQ	Toluene	0.0009	2.92	180	<LOQ
Heptane	0.0013	1.39	1000	<LOQ	Total Xylenes	0.0001	2.92	430	<LOQ
Hexane	0.068	1.17	60	<LOQ					

**National Panel Heavy Metals** **Passed**  
Specimen Weight: 251.800 mg SOP13.055 (ICP-MS)

Dilution Factor: 198.570

Analyte	LOD (ppb)	LOQ (ppb)	Action Limit (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Limit (ppb)	Result (ppb)
Antimony (Sb)	0.032	1000	120000	<LOQ	Molybdenum (Mo)	0.009	500	300000	<LOQ
Arsenic (As)	0.014	100	200	<LOQ	Nickel (Ni)	0.352	250	20000	<LOQ
Barium (Ba)	0.056	15000	140000	<LOQ	Osmium (Os)	0.003	50	10000	<LOQ
Cadmium (Cd)	0.002	100	500	<LOQ	Palladium (Pd)	0.017	50	10000	<LOQ
Chromium (Cr)	0.052	150	1100000	<LOQ	Platinum (Pt)	0.008	50	10000	<LOQ
Cobalt (Co)	0.003	150	5000	<LOQ	Rhodium (Rh)	0.003	50	10000	<LOQ
Copper (Cu)	0.059	1500	300000	<LOQ	Ruthenium (Ru)	0.002	50	10000	<LOQ
Gold (Au)	0.021	50	10000	<LOQ	Selenium (Se)	4.631	6500	15000	<LOQ
Iridium (Ir)	0.001	50	10000	<LOQ	Silver (Ag)	0.005	350	15000	<LOQ
Lead (Pb)	0.006	250	500	<LOQ	Thallium (Tl)	0.006	400	800	<LOQ
Lithium (Li)	0.301	1250	55000	<LOQ	Tin (Sn)	0.047	3000	600000	<LOQ
Mercury (Hg)	0.014	50	3000	<LOQ	Vanadium (V)	0.038	50	10000	<LOQ

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Compliance Test

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Extracted From: Hemp

Order Date: 2024-07-26 Sampling Date: 2024-08-01 Initial Gross Weight: 102.400 g Number of Units: 1  
Sample # AAFU470 Lab Batch Date: 2024-08-01 Net Weight per Unit: 360.000 mg  
Orig. Completion Date: 2024-08-06

**National Panel Pesticides**  
Specimen Weight: 584.200 mg

**Passed**  
SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.570

Analyte	LOD (ppb)	LOQ (ppb)	Action Limit (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Limit (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Limit (ppb)	Result (ppb)
Abamectin <sup>1</sup>	0.435	9	300	<LOQ	Hexythiazox <sup>1</sup>	0.045	9.6	2000	<LOQ	Cyantraniliprole <sup>2</sup>	0.006004	9.6	10	<LOQ
Acephate <sup>1</sup>	0.467	9.6	3000	<LOQ	Imazail <sup>1</sup>	0.639	9.6	100	<LOQ	Cyprodinil <sup>2</sup>	0.001141	9.6	10	<LOQ
Acequinocyl <sup>1</sup>	0.801	9.6	2000	<LOQ	Imidacloprid <sup>1</sup>	0.159	9.6	3000	<LOQ	Dinotefuran <sup>2</sup>	0.236975	9.6	50	<LOQ
Acetamiprid <sup>1</sup>	0.080	9.6	3000	<LOQ	Kresoxim Methyl <sup>1</sup>	0.268	9.6	1000	<LOQ	Endosulfan-alpha <sup>2</sup>	12.22	30	2500	<LOQ
Aldicarb <sup>1</sup>	0.124	9.6	100	<LOQ	Malathion <sup>1</sup>	0.410	9.6	2000	<LOQ	Endosulfan-beta <sup>2</sup>	22.76	30	2500	<LOQ
Azoxystrobin <sup>1</sup>	0.683	9.6	3000	<LOQ	Metalaxyl <sup>1</sup>	0.749	9.6	3000	<LOQ	Etridiazole <sup>2</sup>	4.02	9.6	150	<LOQ
Bifenazate <sup>1</sup>	0.121	9.6	3000	<LOQ	Methiocarb <sup>1</sup>	0.099	9.6	100	<LOQ	Fensulfothion <sup>2</sup>	0.000794	9.6	10	<LOQ
Bifenthrin <sup>1</sup>	0.082	9.6	500	<LOQ	Methomyl <sup>1</sup>	0.121	9.6	100	<LOQ	Fenthion <sup>2</sup>	4.911315	9.6	10	<LOQ
Boscalid <sup>1</sup>	0.153	9.6	3000	<LOQ	methyl-Parathion <sup>1</sup>	3.065	9.6	100	<LOQ	Fluopyram <sup>2</sup>	1.12E-9	9.6	10	<LOQ
Captan <sup>1</sup>	8.966	48	3000	<LOQ	Mevinphos <sup>1</sup>	1.370	9.6	100	<LOQ	Iprodione <sup>2</sup>	0.105543	9.6	500	<LOQ
Carbaryl <sup>1</sup>	0.118	9.6	500	<LOQ	Myclobutanil <sup>1</sup>	0.571	9.6	3000	<LOQ	Kinoprene <sup>2</sup>	3.4	441.6	1250	<LOQ
Carbofuran <sup>1</sup>	0.178	9.6	100	<LOQ	Naled <sup>1</sup>	0.083	9.6	500	<LOQ	Novaluron <sup>2</sup>	0.000205	9.6	25	<LOQ
Chlorantraniliprole <sup>1</sup>	0.052	9.6	3000	<LOQ	Oxamyl <sup>1</sup>	0.123	9.6	500	<LOQ	Pirimicarb <sup>2</sup>	0.0000566	9.6	10	<LOQ
Chlordane <sup>1</sup>	3.121	9.6	100	<LOQ	Paclobutrazol <sup>1</sup>	0.123	9.6	100	<LOQ	Pyraclostrobin <sup>2</sup>	5.31E-7	9.6	10	<LOQ
Chlorfenapyr <sup>1</sup>	0.139	9.6	100	<LOQ	Permethrin <sup>1</sup>	0.718	9.6	1000	<LOQ	Resmethrin <sup>2</sup>	0.068013	9.6	50	<LOQ
Chloromequat Chloride <sup>1</sup>	0.783	9.6	3000	<LOQ	Phosmet <sup>1</sup>	0.301	9.6	200	<LOQ	Tebuflufenozide <sup>2</sup>	0.018121	9.6	10	<LOQ
Chlorpyrifos <sup>1</sup>	0.271	9.6	100	<LOQ	Piperonylbutoxide <sup>1</sup>	0.217	9.6	3000	<LOQ	Teflubenzuron <sup>2</sup>	0.01662	9.6	25	<LOQ
Clofentezine <sup>1</sup>	0.119	9.6	500	<LOQ	Prallethrin <sup>1</sup>	1.365	9.6	400	<LOQ	Tetrachlorvinphos <sup>2</sup>	0.839125	9.6	10	<LOQ
Coumaphos <sup>1</sup>	0.129	9.6	100	<LOQ	Propiconazole <sup>1</sup>	0.259	9.6	1000	<LOQ	Atrazine <sup>3</sup>	0.379918	9.6	9.6	<LOQ
Cyfluthrin <sup>1</sup>	7.730	48	1000	<LOQ	Propoxur <sup>1</sup>	0.147	9.6	100	<LOQ	Buprofezin <sup>3</sup>	1.66E-9	9.6	9.6	<LOQ
Cypermethrin <sup>1</sup>	0.887	9.6	1000	<LOQ	Pyrethrins <sup>1</sup>	0.256	1.4	1000	<LOQ	Deltamethrin <sup>3</sup>	0.492837	9.6	9.6	<LOQ
Daminozide <sup>1</sup>	1.797	9.6	100	<LOQ	Pyridaben <sup>1</sup>	0.059	9.6	3000	<LOQ	Diuron <sup>3</sup>	0.006862	9.6	9.6	<LOQ
Diazinon <sup>1</sup>	1.328	9.6	200	<LOQ	Spinetoram <sup>1</sup>	0.346	9.6	3000	<LOQ	Dodemorph <sup>3</sup>	6.47E-12	9.6	9.6	<LOQ
Dichlorvos <sup>1</sup>	0.465	9.6	100	<LOQ	Spinosad <sup>1</sup>	0.028	2.39	3000	<LOQ	Endosulfan sulfate <sup>3</sup>	0.88376	9.6	2500	<LOQ
Dimethoate <sup>1</sup>	0.366	9.6	100	<LOQ	Spiromesifen <sup>1</sup>	0.291	9.6	3000	<LOQ	Fenvalerate <sup>3</sup>	0.597752	9.6	9.6	<LOQ
Dimethomorph <sup>1</sup>	0.272	9.6	3000	<LOQ	Spirotetramat <sup>1</sup>	0.141	9.6	3000	<LOQ	Lambda Cyhalothrin <sup>3</sup>	0.116859	9.6	9.6	<LOQ
Ethoprophos <sup>1</sup>	0.192	9.6	100	<LOQ	Spiroxamine <sup>1</sup>	0.119	9.6	100	<LOQ	Methoprene <sup>3</sup>	1.148463	9.6	9.6	<LOQ
Etofenprox <sup>1</sup>	0.116	9.6	100	<LOQ	Tebuconazole <sup>1</sup>	1.48E-14	9.6	1000	<LOQ	MGK-264 <sup>3</sup>	0.002068	7.4	7.4	<LOQ
Etoxazole <sup>1</sup>	0.570	9.6	1500	<LOQ	Thiacloprid <sup>1</sup>	0.397	9.6	100	<LOQ	Pentachloronitrobenzen (Quintozene)	1.817	9.6	200	<LOQ
Fenhexamid <sup>1</sup>	1.011	9.6	3000	<LOQ	Thiamethoxam <sup>1</sup>	0.104	9.6	1000	<LOQ	Phenothrin <sup>3</sup>	0.000000212	9.6	9.6	<LOQ
Fenoxycarb <sup>1</sup>	0.169	9.6	100	<LOQ	Trifloxystrobin <sup>1</sup>	0.088	9.6	3000	<LOQ	Pyriproxyfen <sup>3</sup>	0.0000958	9.6	9.6	<LOQ
Fenpyroximate <sup>1</sup>	0.139	9.6	2000	<LOQ	Allethrin <sup>2</sup>	0.472436	9.6	100	<LOQ	Spirodiclofen <sup>3</sup>	0.373769	9.6	9.6	<LOQ
Fipronil <sup>1</sup>	0.605	9.6	100	<LOQ	Azadirachtin <sup>2</sup>	0.003071	9.6	500	<LOQ	Tetramethrin <sup>3</sup>	0.0000992	9.6	9.6	<LOQ
Fonicamid <sup>1</sup>	0.128	9.6	2000	<LOQ	Benzovindiflupyr <sup>2</sup>	0.012567	9.6	10	<LOQ	Thiabendazole <sup>3</sup>	0.001251	9.6	9.6	<LOQ
Fludioxonil <sup>1</sup>	0.521	9.6	3000	<LOQ	Clothianidin <sup>2</sup>	0.000399	9.6	25	<LOQ	Thiophanate-methyl <sup>3</sup>	0.000223	9.6	9.6	<LOQ

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