



Global Advanced Botanicals, LLC/Advanced Therapy USA CBD,LLC
 8310 SW 43rd Street
 Miami, Florida, 33155
 (352) 455-0028
 Order #: 84265
 Retail Batch #: 1440162

CERTIFICATE OF ANALYSIS
 ISO/IEC: 17025:2017 Accreditation #: 103104
 License #: CMTL-0004

Order Information

Order #: 84265
 Order Name: nano water
 Retail Batch #: 1440162
 Received: 10/23/2023 16:37:56
 Complete: 10/27/2023 11:09:56

Batch Information

Create Date: 10/23/2023 Total Qty.: 1
 Exp. Date: 10/23/2025 Matrix: Beverage
 Size: 1 Pickup Weight: N/A




CANNABINOID PROFILE TESTED	LABEL CLAIM NOT APPLICABLE	MICROBIAL ANALYSIS PASS
RESIDUAL SOLVENTS PASS	AGRICULTURAL AGENTS PASS	HEAVY METAL ANALYSIS PASS
TERPENES TOTAL TESTED	MOISTURE ANALYSIS TESTED	WATER ACTIVITY NOT TESTED
FILTH & FOREIGN NOT TESTED	HOMOGENEITY NOT TESTED	MYCOTOXIN ANALYSIS PASS

0.0054 %
Total THC

0.1405 %
Total CBD

0.1563 %
Total Cannabinoids

Diana Asensio, M.S.
 Lab Director 

ACT Laboratories Florida
 4001 SW 47th Avenue, Suite 208
 Davie, FL 33314
 (954) 514-9343





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Sample Prep

Tech: 3445
SOP: 418
Batch Number: 61711
Batch Date: 10/23/2023 12:25:46

Sample Analysis

Date/Time: 10/26/2023 14:30:30
Tech: 3445
SOP: 417
Final Weight: 1 g
Volume: 1 ml

CANNABINOID PROFILE

HPLC-DAD

0.0054 % Total THC	51.103 mg THC Per Unit	51.103 mg THC Per Pkg
0.1405 % Total CBD	1329.622 mg CBD Per Unit	1329.622 mg CBD Per Pkg
0.1563 % Total Cannabinoids	1479.146 mg Cannabinoids Per Unit	1479.146 mg Cannabinoids Per Pkg

Cannabinoid Potency

ANALYTE	LOD/LOQ (mg/g)	DIL.	WEIGHT %	MG/G	MG/UNIT	MG/PACKAGE	LABEL CLAIM (mg)	% LABEL VAR.
CBC	0.0003/0.001	2	0.0043	0.043	40.693	40.693	--	--
CBD	0.0003/0.001	2	0.1405	1.405	1329.622	1329.622	--	--
CBDA	0.0003/0.001	2	ND	ND	ND	ND	--	--
CBDV	0.0003/0.001	2	0.0005	0.005	4.732	4.732	--	--
CBG	0.0003/0.001	2	0.0025	0.025	23.659	23.659	--	--
CBGA	0.0003/0.001	2	ND	ND	ND	ND	--	--
CBN	0.0003/0.001	2	0.0008	0.008	7.571	7.571	--	--
d8-THC	0.0003/0.001	2	ND	ND	ND	ND	--	--
d9-THC	0.0003/0.001	2	0.0054	0.054	51.103	51.103	--	--
THCA	0.0003/0.001	2	ND	ND	ND	ND	--	--
THCV	0.0003/0.001	2	ND	ND	ND	ND	--	--

Additional Cannabinoids

ANALYTE	LOD/LOQ (mg/g)	DIL.	WEIGHT %	MG/G	MG/UNIT	MG/PACKAGE	LABEL CLAIM (mg)	% LABEL VAR.
CBDVA	0.0003/0.001	2	ND	ND	ND	ND	--	--
CBL	0.0003/0.001	2	0.0002	0.002	1.893	1.893	--	--
CBT	0.0003/0.001	2	0.0021	0.021	19.873	19.873	--	--
d10-THC	0.0003/0.001	2	ND	ND	ND	ND	--	--
d9-THCP	0.0003/0.001	2	ND	ND	ND	ND	--	--
exo-THC	0.0003/0.001	2	ND	ND	ND	ND	--	--

mg/unit = 946.35 (g) per unit x 1 (g/ml) x cannabinoid concentration (mg/g)
Total THC = THC + (0.877 x THCA) and Total CBD = CBD + (0.877 x CBDA)
ND = Not Detected, NT = Not Tested, <LOQ = Below Limit of Quantitation

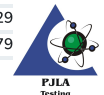
CANNABINOID TOTALS	WEIGHT %	MG/G	MG/UNIT	MG/PACKAGE
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Total THC	0.0054	0.054	51.103	51.103
Total CBD	0.1405	1.405	1329.622	1329.622
Total Cannabinoids	~ 1563	~ 1563	1479.146	1479.146

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Agricultural Agents

GC-MS/MS

PASS

Sample Prep

Tech: 3393
 SOP: 402
 Batch Number: 61719
 Batch Date: 10/24/2023 10:36:04

Sample Analysis

Date/Time: 10/25/2023 13:45:32
 Tech: 2816
 SOP: 402
 Final Weight: 0.5013 g
 Volume: 10 ml

ANALYTE	LOD/LOQ (ppm)	DIL.	ACTION LEVEL (ppm)	RESULTS (ppm)
Captan	0.07/0.1	1	3	ND
Chlordane	0.01/0.1	1	0.1	ND
Chlorfenapyr	0.01/0.1	1	0.1	ND
Coumaphos	0.01/0.1	1	0.1	ND
Cyfluthrin	0.01/0.1	1	1	ND
Cypermethrin	0.01/0.1	1	1	ND
Methyl parathion	0.01/0.1	1	0.1	ND
Pentachloronitrobenzene	0.01/0.1	1	0.2	ND

MYCOTOXIN ANALYSIS

LC-MS/MS

PASS

Sample Prep

Tech: 3393
 SOP: 432
 Batch Number: 61718
 Batch Date: 10/24/2023 10:35:33

Sample Analysis

Date/Time: 10/25/2023 11:32:13
 Tech: 3445
 SOP: 424
 Final Weight: 0.108 g
 Volume: 2.5 ml

ANALYTE	LOD/LOQ (ppb)	DIL.	ACTION LEVEL (ppb)	RESULTS (ppb)
Aflatoxin B1	2/10	1	20	ND
Aflatoxin B2	2/10	1	20	ND
Aflatoxin G1	2/10	1	20	ND
Aflatoxin G2	2/5	1	20	ND
Ochratoxin A	2/10	1	20	ND

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SOP: 432
Batch Number: 61718
Batch Date: 10/24/2023 10:35:33

Sample Analysis

Date/Time: 10/25/2023 11:32:13
Tech: 3445
SOP: 424
Final Weight: 0.108 g
Volume: 2.5 ml

ANALYTE	LOD/LOQ (ppm)	DIL.	ACTION LEVEL (ppm)	RESULTS (ppm)	ANALYTE	LOD/LOQ (ppm)	DIL.	ACTION LIMIT (ppm)	RESULTS (ppm)
Abamectin B1a	0.002/0.035	1	0.3	ND	Imazalil	0.002/0.01	1	0.1	ND
Acephate	0.002/0.04	1	3	ND	Imidacloprid	0.002/0.002	1	3	ND
Acequinocyl	0.002/0.002	1	2	ND	Kresoxim-methyl	0.002/0.002	1	1	ND
Acetamiprid	0.002/0.002	1	3	ND	Malathion	0.01/0.04	1	2	ND
Aldicarb	0.002/0.01	1	0.1	ND	Metalaxyl	0.002/0.004	1	3	ND
Azoxystrobin	0.002/0.04	1	3	ND	Methiocarb	0.002/0.01	1	0.1	ND
Bifenazate	0.002/0.002	1	3	ND	Methomyl	0.002/0.002	1	0.1	ND
Bifenthrin	0.002/0.002	1	0.5	ND	Mevinphos	0.009/0.036	1	0.1	ND
Boscalid	0.01/0.05	1	3	ND	Myclobutanil	0.002/0.04	1	3	ND
Carbaryl	0.002/0.004	1	0.5	ND	Naled	0.002/0.01	1	0.5	ND
Carbofuran	0.002/0.01	1	0.1	ND	Oxamyl	0.002/0.002	1	0.5	ND
Chlorantraniliprole	0.002/0.01	1	3	ND	Paclobutrazol	0.002/0.004	1	0.1	ND
Chlormequat chloride	0.002/0.004	1	3	ND	Permethrins	0.002/0.01	1	1	ND
Chlorpyrifos	0.002/0.01	1	0.1	ND	Phosmet	0.002/0.002	1	0.2	ND
Clofentezine	0.002/0.002	1	0.5	ND	Piperonyl Butoxide	0.002/0.002	1	3	ND
Daminozide	0.01/0.04	1	0.1	ND	Prallethrin	0.002/0.01	1	0.4	ND
Diazinon	0.002/0.01	1	0.2	ND	Propiconazole	0.002/0.04	1	1	ND
Dichlorvos	0.002/0.04	1	0.1	ND	Propoxur	0.002/0.01	1	0.1	ND
Dimethoate	0.002/0.002	1	0.1	ND	Pyrethrins	0.001/0.013	1	1	ND
Dimethomorph	0.001/0.002	1	3	ND	Pyridaben	0.002/0.002	1	3	ND
Ethoprophos	0.002/0.01	1	0.1	ND	Spinetoram	0.001/0.003	1	3	ND
Etofenprox	0.002/0.002	1	0.1	ND	Spinosad	0.001/0.001	1	3	ND
Etoxazole	0.002/0.002	1	1.5	ND	Spiromesifen	0.002/0.002	1	3	ND
Fenhexamid	0.01/0.04	1	3	ND	Spirotetramat	0.002/0.01	1	3	ND
Fenoxycarb	0.002/0.004	1	0.1	ND	Spiroxamine	0.002/0.04	1	0.1	ND
Fenpyroximate	0.002/0.002	1	2	ND	Tebuconazole	0.01/0.04	1	1	ND
Fipronil	0.002/0.004	1	0.1	ND	Thiacloprid	0.002/0.002	1	0.1	ND
Fonicamid	0.002/0.01	1	2	ND	Thiamethoxam	0.002/0.01	1	1	ND
Fludioxonil	0.002/0.004	1	3	ND	Trifloxystrobin	0.002/0.002	1	3	ND
Hexythiazox	0.002/0.004	1	2	ND					

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TERPENES TOTAL
GC-FID **TESTED (0.000 %)**

Sample Prep

Tech: 3393
SOP: 421
Batch Number: 61713
Batch Date: 10/23/2023 17:10:16

Sample Analysis

Date/Time: 10/25/2023 16:09:35
Tech: 2816
SOP: 419
Final Weight: 0.4058 g
Volume: 10 ml

TERPENE	LOD/LOQ (%)	DIL.	RESULTS (%)	TERPENE	LOD/LOQ (%)	DIL.	RESULTS (%)
3-Carene	0.001/0.003	1	ND	Geraniol	0.001/0.003	1	ND
alpha-Bisobolol	0.001/0.003	1	<LOQ	Geranyl acetate	0.001/0.003	1	ND
alpha-Cedrene	0.001/0.003	1	ND	Guaiol	0.001/0.003	1	ND
alpha-Humulene	0.001/0.003	1	ND	Hexahydrothymol	0.001/0.003	1	ND
alpha-Pinene	0.001/0.003	1	ND	Isoborneol	0.001/0.003	1	ND
alpha-Terpinene	0.001/0.003	1	ND	Isopulegol	0.001/0.003	1	ND
beta-Myrcene	0.001/0.003	1	ND	Limonene	0.001/0.003	1	ND
beta-Pinene	0.001/0.003	1	ND	Linalool	0.001/0.003	1	ND
Borneol	0.001/0.003	1	ND	Nerol	0.001/0.003	1	ND
Camphene	0.001/0.003	1	ND	p-Mentha-1,5-diene	0.001/0.003	1	ND
Camphor	0.001/0.003	1	ND	Pulegone	0.001/0.003	1	ND
Caryophyllene oxide	0.001/0.003	1	ND	Sabinene hydrate	0.001/0.003	1	ND
Cedrol	0.001/0.003	1	ND	Terpineol	0.001/0.003	1	ND
cis-Nerolidol	0.001/0.003	1	ND	Terpinolene	0.001/0.003	1	ND
cis-Ocimene	0.001/0.003	1	ND	trans-Caryophyllene	0.001/0.003	1	ND
Eucalyptol	0.001/0.003	1	ND	trans-Nerolidol	0.001/0.003	1	ND
Fenchone	0.001/0.003	1	ND	trans-Ocimene	0.001/0.003	1	ND
Fenchyl alcohol	0.001/0.003	1	ND	Valencene	0.001/0.003	1	ND
gamma-Terpinene	0.001/0.003	1	ND				

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RESIDUAL SOLVENTS

HS-GC-MS

PASS

Sample Prep

Tech: 2816
SOP: 405
Batch Number: 61715
Batch Date: 10/24/2023 10:21:16

Sample Analysis

Date/Time: 10/25/2023 12:56:14
Tech: 3445
SOP: 405
Final Weight: 0.0535 g
Volume: 1 ml

ANALYTE	LOD/LOQ (ppm)	DIL.	ACTION LIMIT (ppm)	RESULTS (ppm)	ANALYTE	LOD/LOQ (ppm)	DIL.	ACTION LIMIT (ppm)	RESULTS (ppm)
1,1-Dichloroethene	0.6/0.63	1	8	ND	Heptane	6/140	1	5000	ND
1,2-Dichloroethane	0.012/0.12	1	2	ND	Hexanes	0.06/18	1	250	ND
Acetone	9/140	1	750	ND	Isopropyl alcohol	3/140	1	500	ND
Acetonitrile	0.72/25	1	60	<LOQ	Methanol	6/100	1	250	ND
Benzene	0.06/1	1	1	ND	Methylene chloride	1.5/1.5	1	125	ND
Butane	48/50	1	5000	ND	Pentane	9/140	1	750	ND
Chloroform	0.2/1	1	2	ND	Propane	30/30	1	5000	ND
Ethanol	12/140	1	5000	ND	Toluene	0.9/53	1	150	ND
Ethyl acetate	2.4/140	1	400	ND	Total xylenes	1.8/130	1	150	ND
Ethyl ether	6/140	1	500	ND	Trichloroethylene	0.3/1	1	25	ND
Ethylene oxide	0.6/2	1	5	ND					

HEAVY METAL ANALYSIS

ICP-MS

PASS

Sample Prep

Tech: 3396
SOP: 428
Batch Number: 61714
Batch Date: 10/24/2023 10:07:18

Sample Analysis

Date/Time: 10/24/2023 15:46:34
Tech: 3396
SOP: 428
Final Weight: 0.3234 g
Volume: 60 ml

ANALYTE	LOD/LOQ (ppb)	DIL.	ACTION LIMIT (ppb)	RESULTS (ppb)
Arsenic	20/75	1	1500	ND
Cadmium	20/75	1	500	ND
Lead	20/75	1	500	ND
Mercury	20/75	1	3000	ND

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MICROBIAL ANALYSIS
PASS

Sample Prep

Tech: 3393
SOP: 406

Batch Number: 61717
Batch Date: 10/24/2023 10:35:19

Date/Time: 10/26/2023 18:23:21
Tech: 3571
SOP: 406

Sample Analysis

Final Weight: 1.0174 g

ANALYTE	TEST METHOD	ALLOWABLE CRITERIA	ACTUAL RESULT	PASS/FAIL
Total enterobacteriaceae	qPCR	NA	NOT DETECTED	PASS

Sample Prep

Tech: 3393
SOP: 406

Batch Number: 61717
Batch Date: 10/24/2023 10:35:19

Date/Time: 10/26/2023 18:23:21
Tech: 3571
SOP: 406

Sample Analysis

Final Weight: 1.0174 g

ANALYTE	TEST METHOD	ALLOWABLE CRITERIA	ACTUAL RESULT	PASS/FAIL
Total aerobic count	qPCR	NA	NOT DETECTED	PASS

Sample Prep

Tech: 3393
SOP: 406

Batch Number: 61717
Batch Date: 10/24/2023 10:35:19

Date/Time: 10/26/2023 18:23:21
Tech: 3571
SOP: 406

Sample Analysis

Final Weight: 1.0174 g

ANALYTE	TEST METHOD	ALLOWABLE CRITERIA	ACTUAL RESULT	PASS/FAIL
Total coliforms	qPCR	NA	NOT DETECTED	PASS

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MICROBIAL ANALYSIS
PASS

Sample Prep

Tech: 3393
SOP: 406

Batch Number: 61716
Batch Date: 10/24/2023 10:34:35

Date/Time: 10/26/2023 18:21:08
Tech: 3571
SOP: 406

Sample Analysis

Final Weight: 1.0132 g

ANALYTE	TEST METHOD	ALLOWABLE CRITERIA	ACTUAL RESULT	PASS/FAIL
Aspergillus flavus	qPCR	< 1 CFU/g	NOT DETECTED	PASS
Aspergillus fumigatus	qPCR	< 1 CFU/g	NOT DETECTED	PASS
Aspergillus niger	qPCR	< 1 CFU/g	NOT DETECTED	PASS
Aspergillus terreus	qPCR	< 1 CFU/g	NOT DETECTED	PASS

Sample Prep

Tech: 3393
SOP: 406

Batch Number: 61716
Batch Date: 10/24/2023 10:34:35

Date/Time: 10/26/2023 18:21:08
Tech: 3571
SOP: 406

Sample Analysis

Final Weight: 1.0132 g

ANALYTE	TEST METHOD	ALLOWABLE CRITERIA	ACTUAL RESULT	PASS/FAIL
Salmonella	qPCR	< 1 CFU/g	NOT DETECTED	PASS
STEC e. coli	qPCR	< 1 CFU/g	NOT DETECTED	PASS

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MOISTURE ANALYSIS

Moisture: **98.39 %**

Sample Prep and Analysis

Date/Time: 10/25/2023 19:00:12
Tech: 4090
SOP: 411
Final Weight: 0.312 g

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