



DEA No. RA0571996
FL License # CMTL-0003
CLIA No. 10D1094068

Certificate of Analysis

Compliance Test

Arete Hemp LLC
1887 Whitney Mesa Dr
Suite 3939
Henderson, NV 89014

Batch # DA-HHC-001
Batch Date: 2022-04-15
Extracted From: Hemp

Sampling Method: MSP 7.3.1
Test Reg State: Florida

Order # DEL220505-010001
Order Date: 2022-05-05
Sample # AACU344

Sampling Date: 2022-05-10
Lab Batch Date: 2022-05-10
Completion Date: 2022-05-13

Initial Gross Weight: 80.450 g



Product Image



Potency
Tested



HHC
Tested



HHC Metals
Passed



Mycotoxins
Passed



Pesticides
Passed



Residual Solvents
Passed



Listeria
Monocytogenes
Passed



Pathogenic
Passed



Potency 21 (LCUV)

Specimen Weight: 53.600 mg

Tested
(LCUV)

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	10.000	0.000026	0.0015	4.3980	0.4398
CBN	10.000	0.000014	0.0015	0.9570	0.0957
THCV	10.000	0.000007	0.0015	0.8650	0.0865
CBNA	10.000	0.000095	0.0015	0.6370	0.0637
THCA	10.000	0.000032	0.0015		<LOQ
THCVA	10.000	0.000047	0.0015		<LOQ
CBC	100.000	0.000018	0.0015		<LOQ
Exo-THC	10.000	0.00023	0.0015		<LOQ
Delta-9 THC-O Acetate	10.000	0.000077	0.0003		<LOQ
CBCA	10.000	0.000107	0.0015		<LOQ
Delta-8 THCV	10.000	0.000004	0.0015		<LOQ
Delta-8 THC-O Acetate	10.000	0.000027	0.0003		<LOQ
CBT	10.000	0.0002	0.0015		<LOQ
CBL	10.000	0.000035	0.0015		<LOQ
CBGA	10.000	0.00008	0.0015		<LOQ
CBG	10.000	0.000248	0.0015		<LOQ
CBDVA	10.000	0.000014	0.0015		<LOQ
CBDV	10.000	0.000065	0.0015		<LOQ
CBDA	10.000	0.00001	0.0015		<LOQ
CBD	10.000	0.000054	0.0015		<LOQ
Delta-9 THC	10.000	0.000013	0.0015		<LOQ



Potency Summary

Total HHC 99.30422%	Total THC None Detected
Total CBD None Detected	Total CBG None Detected
Total CBN 0.152%	Other Cannabinoids 0.526%
Total Cannabinoids 99.982%	

Xueli Gao
Ph.D., DABT
Lab Toxicologist

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



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Test Reg State: Florida

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Sample # AACU344

Sampling Date: 2022-05-10
Lab Batch Date: 2022-05-10
Completion Date: 2022-05-13

Initial Gross Weight: 80.450 g

Pesticides FL V4

Specimen Weight: 266.000 mg

Dilution Factor: 5.639

LOQ (ppb)

Action Level (ppb)

Result (ppb)

Analyte

LOQ (ppb)

Action Level (ppb)

Result (ppb)

Abamectin

28.23

300

<LOQ

Fludioxonil

48

3000

<LOQ

Acephate

30

3000

<LOQ

Hexythiazox

30

2000

<LOQ

Acequinocyl

48

2000

<LOQ

Imazalil

30

100

<LOQ

Acetamiprid

30

3000

<LOQ

Imidacloprid

30

3000

<LOQ

Aldicarb

30

100

<LOQ

Kresoxim Methyl

30

1000

<LOQ

Azoxystrobin

10

3000

<LOQ

Malathion

30

2000

<LOQ

Bifenazate

30

3000

<LOQ

Metaxyl

10

3000

<LOQ

Bifenthrin

30

500

<LOQ

Methiocarb

30

100

<LOQ

Boscalid

10

3000

<LOQ

Methomyl

30

100

<LOQ

Captan

30

3000

<LOQ

methyl-Parathion

10

100

<LOQ

Carbaryl

10

500

<LOQ

Mevinphos

10

100

<LOQ

Carbofuran

10

100

<LOQ

Myclobutanil

30

3000

<LOQ

Chlorantraniliprole

10

3000

<LOQ

Naled

30

500

<LOQ

Chlordane

10

100

<LOQ

Oxamyl

30

500

<LOQ

Chlorfenapyr

30

100

<LOQ

Paclobutrazol

30

100

<LOQ

Chlormequat Chloride

10

3000

<LOQ

Pentachloronitrobenzene

10

200

<LOQ

Chlorpyrifos

30

100

<LOQ

Permethrin

30

1000

<LOQ

Clofentezine

30

500

<LOQ

Phosmet

30

200

<LOQ

Coumaphos

48

100

<LOQ

Piperonylbutoxide

30

3000

<LOQ

Cyfluthrin

30

1000

<LOQ

Prallethrin

30

400

<LOQ

Cypermethrin

30

1000

<LOQ

Propiconazole

30

1000

<LOQ

Daminozide

30

100

<LOQ

Propoxur

30

100

<LOQ

Diazinon

30

200

<LOQ

Pyrethrins

30

1000

<LOQ

Dichlorvos

30

100

<LOQ

Pyridaben

30

3000

<LOQ

Dimethoate

30

100

<LOQ

Spinetoram

10

3000

<LOQ

Dimethomorph

48

3000

<LOQ

Spinosad

30

3000

<LOQ

Ethoprophos

30

100

<LOQ

Spiromesifen

30

3000

<LOQ

Etofenprox

30

100

<LOQ

Spirotetramat

30

3000

<LOQ

Etoxazole

30

1500

<LOQ

Spiroxamine

30

100

<LOQ

Fenhexamid

10

3000

<LOQ

Tebuconazole

30

1000

<LOQ

Fenoxycarb

30

100

<LOQ

Thiacloprid

30

100

<LOQ

Fenpyroximate

30

2000

<LOQ

Thiamethoxam

30

1000

<LOQ

Fipronil

30

100

<LOQ

Trifloxystrobin

30

3000

<LOQ

Fonicamid

30

2000

<LOQ

Passed

(LCMS/GCMS)

Residual Solvents - FL (CBD)

Specimen Weight: 171.400 mg

Dilution Factor: 500.000

LOQ (ppm)

Action Level (ppm)

Result (ppm)

Analyte

LOQ (ppm)

Action Level (ppm)

Result (ppm)

1,1-Dichloroethene

0.16

8

<LOQ

Heptane

1.39

5000

<LOQ

1,2-Dichloroethane

0.04

5

<LOQ

Hexane

1.17

290

<LOQ

Acetone

2.08

5000

<LOQ

Isopropyl alcohol

1.39

500

<LOQ

Acetonitrile

1.17

410

<LOQ

Methanol

0.69

3000

<LOQ

Benzene

0.02

2

<LOQ

Methylene chloride

2.43

600

<LOQ

Butanes

2.5

2000

<LOQ

Pentane

2.08

5000

<LOQ

Chloroform

0.04

60

<LOQ

Propane

5.83

2100

<LOQ

Ethanol

2.78

5000

<LOQ

Toluene

2.92

890

<LOQ

Ethyl Acetate

1.11

5000

<LOQ

Total Xylenes

2.92

2170

<LOQ

Ethyl Ether

1.39

5000

<LOQ

Trichloroethylene

0.49

80

<LOQ

Ethylene Oxide

0.1

5

<LOQ

Passed

(GCMS)

HHC Metals

Specimen Weight: 251.620 mg

Dilution Factor: 198.712

LOQ (ppb)

Action Level (ppb)

Result (ppb)

Analyte

LOQ (ppb)

Action Level (ppb)

Result (ppb)

Aluminium (Al)

1000

na

Passed

Nickel (Ni)

250

500

<LOQ

Arsenic (As)

100

200

<LOQ

Palladium (Pd)

50

100

<LOQ

Cadmium (Cd)

100

200

<LOQ

Platinum (Pt)

50

100

<LOQ

Lead (Pb)

100

500

<LOQ

Zinc (Zn)

1000

na

<LOQ

Mercury (Hg)

100

200

<LOQ

Passed

(ICP-MS)

Mycotoxins

Specimen Weight: 266.000 mg

Dilution Factor: 5.639

LOQ (ppb)

Action Level (ppb)

Result (ppb)

Analyte

LOQ (ppb)

Action Level (ppb)

Result (ppb)

Aflatoxin B1

6

20

<LOQ

Aflatoxin G2

6

20

<LOQ

Aflatoxin B2

6

20

<LOQ

Ochratoxin A

12

20

<LOQ

Aflatoxin G1

6

20

<LOQ

Passed

(LCMS)

Xueli Gao
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HHC

Specimen Weight: 53.600 mg

Dilution Factor: 1.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
(9R)-HHC	7.5E-5	499.8472	49.98472	(±)-9β-hydroxy-HHC	7.5E-5	2.7435	0.27435
(9S)-HHC	7.5E-5	490.4515	49.04515	Total HHC	7.5E-5	993.0422	99.30422

Tested

(LCMS)



Pathogenic SAE (qPCR)

Specimen Weight: 253.640 mg

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	1	Absence in 1g	Salmonella	1	Absence in 1g
E.Coli	1	Absence in 1g			

Passed

(qPCR)



Listeria Monocytogenes

Specimen Weight: 970.820 mg

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result
Listeria Monocytogenes	1	Absence in 1g

Passed

(qPCR)

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