

Advanced Grow Labs 400 Frontage Road West Haven, CT 06516

Cannabidiol A 1:1 VPen
300
NDC: 4056

Batch: AGL-HQ-F1H12-171018-1:1P
Ingredients: Cannabis Oil, Polyethylene Glycol.

Packaging Date: 12/12/2017 Net Wt: 0.51 g
Expiration Date: 12/12/2018 0.02 oz

Testing Date: 12/12/2017

Flower Equivalence: 1.20 grams

Microbiology, Mycotoxins, Heavy Metals,

Pesticides - ALL PASS

Contains Terpenes:

a-Pinene < 0.1 % Ocimene < 0.1 %

B-Pinene < 0.1 % Linalool 0.2 %

B-Myrcene 0.1 % B-Caryophyllene 0.4 %

Limonene < 0.1 % Humulene 0.1 %

Cannabinoid Content per Unit:

THC-A	THC	CBD-A	CBD	CBG-A	CBG	CBN	CBC
< 0.1 mg	154.8 mg	77.4 mg	145.5 mg	2.1 mg	8.8 mg	1.0 mg	8.8 mg
< 0.1 %	30.0 %	1.5 %	28.2 %	0.4 %	1.7 %	0.2 %	1.7 %

Cannabidiol A 1:1 VPen 300

NDC: 4056 Expiration: 12/12/18

See packaging for more info

Customer Name: Advanced Grow Labs, LLC
Customer Address: 400 Frontage Road
West Haven, CT 06516
Phone Number: 475-227-0028

Results issued on: 12/12/2017 COA No.: 21121217-G

Client Lot Number	Sample ID	Test Conducted
HQ-F1H12-171018-1:1P	3291-11	Active Ingredient Analysis
	3291-11	Terpene Analysis

Active Ingredient Results

via High Performance Liquid Chromatography (HPLC)

Cannabinoid	Percent by weight (w/w)	mg per 500-mg of product	mg per 516-mg of product	mg per 524-mg of product	mg per 1000-mg of product
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 -THC-A)	<0.1%	<0.1	<0.1	<0.1	<0.1
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	30.0%	150.0	154.8	157.2	300.0
Cannabidiol Acid (CBD-A)	1.5%	7.5	77.4	7.9	15.0
Cannabidiol (CBD)	28.2%	141.0	145.5	147.8	282.0
Cannabigerol Acid (CBG-A)	0.4%	2.0	2.1	2.1	4.0
Cannabigerol (CBG)	1.7%	8.5	8.8	8.9	8.5
Cannabinol (CBN)	0.2%	1.0	1.0	1.0	2.0
Cannabichromene (CBC)	1.7%	8.5	8.8	8.9	17.0

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Client Lot Number: HQ-F1H12-171018-1:1P

Terpene Content Results

via Gas Chromatography Mass Spectrometry (GC-MS)

Terpene	Percent by weight (w/w)
α -Pinene	<0.1%
β -Pinene	<0.1%
β -Myrcene	0.1%
Limonene	<0.1%
Ocimene	<0.1%
Linalool	0.2%
β -Caryophyllene	0.4%
Humulene	0.1%



Results Approved by: Jose A. Zavaleta, Director

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Client Lot Number: **HQ-F1H12-171018-1:1P**

Customer Name: Advanced Grow Labs, LLC
Customer Address: 400 Frontage Road
West Haven, CT 06516
Phone Number: 475-227-0028

Results issued on: 11/8/2017 COA No.: 21110617-A

Client Lot Number	Sample ID	Tests Conducted
HQ-F1H12-171018-O-1:1	3286-3	Quality Control Analysis
	3286-4	
	3286-4	Active Ingredient Analysis
	3286-4	Terpene Analysis

Quality Control Results

<u>Analysis</u>	<u>Test Conducted</u>	<u>Specification</u>	<u>Results (Pass/Fail)</u>
Microbiology	Total Aerobic Microbial Count	< 2,000 CFU/g	Passed
	Total Yeast and Mold Count	< 200 CFU/g	Passed
	Bile-tolerant Gram-negative Bacteria	Not Present	Passed
	<i>Staphylococcus aureus</i>	Not Present	Passed
	<i>Pseudomonas aeruginosa</i>	Not Present	Passed
Mycotoxins	Aflatoxin B1	< 20 ug/Kg	Passed
	Aflatoxin B2	< 20 ug/Kg	Passed
	Aflatoxin G1	< 20 ug/Kg	Passed
	Aflatoxin G2	< 20 ug/Kg	Passed
	Ochratoxin A	< 20 ug/Kg	Passed
Heavy Metals	Arsenic - As	< 4.206 ug/g	Passed
	Cadmium - Cd	< 2.704 ug/g	Passed
	Mercury - Hg	< 8.712 ug/g	Passed
	Lead - Pb	< 8.712 ug/g	Passed
Pesticides	See attachment A		Passed

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Client Lot Number: HQ-F1H12-171018-O-1:1

Active Ingredient Results

via High Performance Liquid Chromatography (HPLC)

Cannabinoid	Percent by weight (w/w)	mg per 516-mg of product	mg per 524-mg of product	mg per 1000-mg of product
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 -THC-A)	<0.1%	<0.1	<0.1	<0.1
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	37.3%	192.5	195.5	373.0
Cannabidiol Acid (CBD-A)	1.9%	98.0	10.0	19.0
Cannabidiol (CBD)	35.4%	182.7	185.5	354.0
Cannabigerol Acid (CBG-A)	0.5%	2.6	2.6	5.0
Cannabigerol (CBG)	0.9%	4.6	4.7	9.0
Cannabinol (CBN)	0.3%	1.5	1.6	3.0
Cannabichromene (CBC)	2.1%	10.8	11.0	21.0

Terpene Content Results

via Gas Chromatography Mass Spectrometry (GC-MS)

Terpene	Percent by weight (w/w)
α -Pinene	<0.1%
β -Pinene	<0.1%
β -Myrcene	0.2%
Limonene	0.1%
Ocimene	<0.1%
Linalool	0.2%
β -Caryophyllene	0.7%
Humulene	0.2%



Results Approved by: Jose A. Zavaleta, Lab Director

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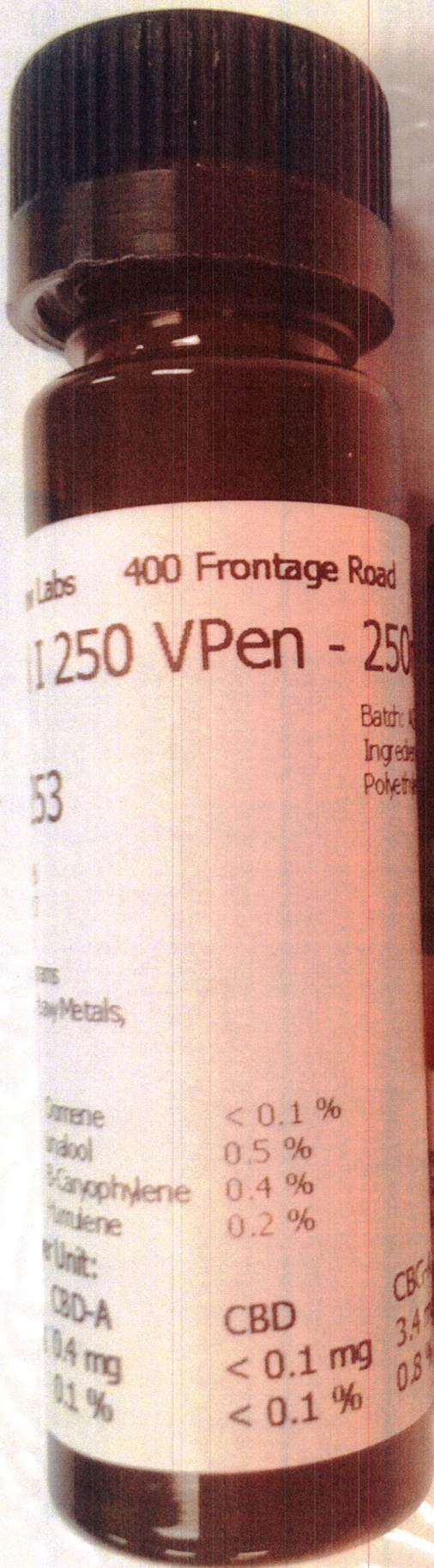
Client Lot Number: **HQ-F1H12-171018-O-1:1**

Attachment A

Pesticide	Residue limits according to EPA in parts per billion (ppb)	Results
Avermectin (abamectin)	< 10	Pass
Acequinocyl	< 20	Pass
Bifenazate	< 100	Pass
Bifenthrin (synthetic pyrethroid)	< 50	Pass
Cyfluthrin (synthetic pyrethroid)	< 20	Pass
Etoxazole	< 10	Pass
Imazalil	< 100	Pass
Imidacloprid	< 50	Pass
Myclobutanil	< 20	Pass
Paclobutrazol	< 400	Pass
Pyrethrins (synthetic)	< 50	Pass
Spinosad	< 10	Pass
Spiromesifen	< 20	Pass
Spirotetramat	< 200	Pass
Trifloxystrobin	< 50	Pass

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Client Lot Number: **HQ-F1H12-171018-O-1:1**



Labs 400 Frontage Road

I 250 VPen - 250

Batch: 0
Ingredie
Polyeth

53

ay Metals,

Terpene	< 0.1 %
anol	0.5 %
Caryophyllene	0.4 %
linalene	0.2 %

er Unit:

CBD-A	CBD
0.4 mg	< 0.1 mg
0.1 %	< 0.1 %

arin L 250 VPe
786 Expiration
for more info

CBD
3.4
0.8