

Advanced Grow Labs 400 Frontage Road West Haven, CT 06516

Cannabidiol A 1:1 VPen

330

NDC: 5238

Batch: AGL-GQ-F3H15-180807-O-1:1-P
Ingredients: Cannabis Oil, Polyethylene Glycol.

Packaging Date: 09/05/2018 Net Wt: 0.58 g
Expiration Date: 09/05/2019 0.02 oz

Testing Date: 09/05/2018

Flower Equivalence: 1.32 grams

Microbiology, Mycotoxins, Heavy Metals,

Pesticides - ALL PASS

Contains Terpenes:

< 0.10 % A-Pinene	< 0.10 % Ocimene	0.24 % A-Bisabolol
< 0.10 % B-Pinene	< 0.10 % Linalool	
< 0.10 % B-Myrcene	0.28 % B-Caryophyllene	0.31 % Guaiol
< 0.10 % Limonene	0.10 % Humulene	

Cannabinoid Content per Unit:

THC-A	THC	CBD-A	CBD	CBG-A	CBG	CBN	CBC
< 0.10 mg	158 mg	2.44 mg	164 mg	0.75 mg	5.86 mg	4.29 mg	13.2 mg
< 0.10 %	27.3 %	0.42 %	28.3 %	0.13 %	1.01 %	0.74 %	2.28 %

PRODUCT WARNING: KEEP IN A COOL, DRY PLACE.

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Cannabidiol A 1:1 VPen 330

NDC: 5238 Expiration:

9/5/19

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: 9/5/2018 COA No.: 21090518-D

Client Lot Number	Sample ID	Test Conducted
HQ-F3H15-180807-O-1:1-P	3363-4	Active Ingredient Analysis
	3363-4	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 580-mg of product	mg per 1000-mg of product
Δ^9-Tetrahydrocannabinol Acid (Δ^9-THC-A)	<0.10%	<0.10	<0.10	<0.10
Δ^9-Tetrahydrocannabinol (Δ^9-THC)	27.3%	137	158	273
Cannabidiol Acid (CBD-A)	0.42%	2.10	2.44	4.20
Cannabidiol (CBD)	28.3%	142	164	283
Cannabigerol Acid (CBG-A)	0.13%	0.65	0.75	1.30
Cannabigerol (CBG)	1.01%	5.05	5.86	10.1
Cannabinol (CBN)	0.74%	3.70	4.29	7.40
Cannabichromene (CBC)	2.28%	11.4	13.2	22.8

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Client Lot Number: HQ-F3H15-180807-O-1:1-P

Terpene Content Results

via Gas Chromatography Mass Spectrometry (GC-MS)

Terpene	Percent by weight (w/w)
α -Pinene	<0.10%
β -Pinene	<0.10%
β -Myrcene	<0.10%
Limonene	<0.10%
Ocimene	<0.10%
Linalool	<0.10%
β -Caryophyllene	0.28%
Humulene	0.10%
α -Bisabolol	0.24%
Guaiol	0.31%



Results Approved by: Jose A. Zavaleta, Director

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Client Lot Number: **HQ-F3H15-180807-O-1:1-P**

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

Results issued on: 8/21/2018 COA No.: 21082118-C

Client Lot Number	Sample ID	Tests Conducted
HQF3H15-180807-O-1:1	3360-2	Quality Control Analysis
	3361-8	
	3360-2	Active Ingredient Analysis
	3360-2	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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Active Ingredient Results

via High Performance Liquid Chromatography (HPLC)

Cannabinoid	Percent by weight (w/w)	mg per 500-mg of product	mg per 580-mg of product	mg per 1000-mg of product
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 -THC-A)	<0.10%	<0.10	<0.10	<0.10
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	36.2%	181	210	362
Cannabidiol Acid (CBD-A)	0.57%	2.85	3.31	5.70
Cannabidiol (CBD)	36.8%	184	213	368
Cannabigerol Acid (CBG-A)	0.24%	1.20	1.39	2.40
Cannabigerol (CBG)	1.34%	6.70	7.77	13.4
Cannabinol (CBN)	1.00%	5.00	5.80	10.0
Cannabichromene (CBC)	2.98%	14.9	17.3	29.8

Terpene Content Results

via Gas Chromatography Mass Spectrometry (GC-MS)

Terpene	Percent by weight (w/w)
α -Pinene	<0.10%
β -Pinene	<0.10%
β -Myrcene	<0.10%
Limonene	<0.10%
Ocimene	<0.10%
Linalool	<0.10%
β -Caryophyllene	0.15%
Humulene	<0.10%
Guaiol	0.18%
α -Bisabolol	0.13%



Results Approved by: Jose A. Zavaleta, Lab Director

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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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Testing Date: 09/05/2018

Flower Equivalence: 132 grams

Microbiology, Mycotoxins, Heavy Metals,
Pesticides - ALL PASS

Contains Terpenes:

< 0.10 % A-Pinene

< 0.10 % B-Pinene

< 0.10 % B-Myrcene

< 0.10 % Limonene

< 0.10 % Ocimene

< 0.10 % Linalool

0.28 % B-Caryophyllene

0.10 % Humulene

Cannabinoid Content per Unit:

THC A

< 0.10 mg

< 0.10 %

THC

158 mg

27.3 %

CBD A

2.44 mg

0.42 %

CBD

164 mg

28.3 %

PRODUCT WARNING: