

Advanced Grow Labs 400 Frontage Road West Haven, CT 06516

Cannabidiol D 1:5 250 VPen - 250mg

V2

NDC: 2817

Batch: AQ-MP161213(1:5)P
Ingredients: Cannabis Oil, Polyethylene Glycol.

Packaging Date: 01/05/2017 Net Wt: 0.42 g
Expiration Date: 12/30/2017 0.01 oz
Testing Date: 12/30/2016

Flower Equivalence: 1.0 grams
Microbiology, Mycotoxins, Heavy Metals,
Pesticides - ALL PASS

Contains Terpenes:
a-Pinene < 0.1 % Odorless < 0.1 %
B-Pinene < 0.1 % Linalool < 0.1 %
B-Myrcene 0.2 % B-Caryophyllene 0.7 %
Limonene 0.2 % Humulene 0.2 %

Cannabinoid Content per Unit:

THC-A	THC	CBD-A	CBD	CBG-A	CBG	CBN	CBC
0.4 mg	46.6 mg	29.8 mg	215.5 mg	2.5 mg	3.8 mg	0.4 mg	8.4 mg
0.1 %	11.1 %	7.1 %	51.3 %	0.6 %	0.9 %	0.1 %	2.0 %

Cannabidiol D 1:5

250 VPen V2

NDC#2817 Expiration:12/30/17

See vial for more information

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

Results issued on: 12/30/2016 COA No.: 21123016-B

Client Lot Number	Sample ID	Test Conducted
MP161213(1:5)P	3216-2	Active Ingredient Analysis
	3216-2	Terpene Analysis

Active Ingredient Results

via High Performance Liquid Chromatography (HPLC)

Cannabinoid	Percent by weight (w/w)	mg per 420 mg of product
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 -THC-A)	0.1%	0.4
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	11.1%	46.6
Cannabidiol Acid (CBD-A)	7.1%	29.8
Cannabidiol (CBD)	51.3%	215.5
Cannabigerol Acid (CBG-A)	0.6%	2.5
Cannabigerol (CBG)	0.9%	3.8
Cannabinol (CBN)	0.1%	0.4
Cannabichromene (CBC)	2.0%	8.4

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Client Lot Number: **MP161213(1:5)P**

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	0.2%
Ocimene	<0.1%
Linalool	<0.1%
β -Caryophyllene	0.7%
Humulene	0.2%



Results Approved by: Jose A. Zavaleta, Director

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

Results issued on: 12/26/2016 COA No.: 21122616-D

Client Lot Number	Sample ID	Tests Conducted
MP161213 (1:5)	3215-7	Quality Control Analysis
	3215-8	
	3215-8	Active Ingredient Analysis
	3215-8	Terpene Analysis

Quality Control Results

<u>Test</u>	<u>Specification</u>	<u>Results</u> <u>(Pass/Fail)</u>
Microbiology	Total Aerobic Microbial Count (< 2K CFU/g)	Pass
	Total Yeast and Mold Count (< 200 CFU/g)	Pass
	Bile-tolerant Gram-negative Bacteria (absence)	Pass
	<i>Staph. aureus</i> (absence)	Pass
	<i>Pseud. aeruginosa</i> (absence)	Pass
Mycotoxins	Aflatoxin B1 (< 20 ug/Kg)	Pass
	Aflatoxin B2 (< 20 ug/Kg)	Pass
	Aflatoxin G1 (< 20 ug/Kg)	Pass
	Aflatoxin G2 (< 20 ug/Kg)	Pass
	Ochratoxin A (< 20 ug/Kg)	Pass
Heavy Metals	Arsenic - As (< 4.206 ug/g)	Pass
	Cadmium - Cd (< 2.704 ug/g)	Pass
	Mercury - Hg (< 8.712 ug/g)	Pass
	Lead - Pb (< 8.712 ug/g)	Pass
Pesticides	See attachment A	Pass

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Client Lot Number: **MP161213 (1:5)**

Active Ingredient Results

via High Performance Liquid Chromatography (HPLC)

Cannabinoid	Percent by weight (w/w)	mg per 280-mg of product	mg per 420-mg of product	mg per 530-mg of product
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 -THC-A)	0.2%	0.6	0.8	1.1
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	12.4%	34.7	52.1	65.7
Cannabidiol Acid (CBD-A)	7.6%	21.3	31.9	40.3
Cannabidiol (CBD)	57.3%	160.4	240.7	303.7
Cannabigerol Acid (CBG-A)	0.7%	2.0	2.9	3.7
Cannabigerol (CBG)	1.0%	2.8	4.2	5.3
Cannabinol (CBN)	0.2%	0.6	0.8	1.1
Cannabichromene (CBC)	2.3%	6.4	9.7	12.2

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	0.4%
Limonene	0.2%
Ocimene	<0.1%
Linalool	<0.1%
β -Caryophyllene	0.4%
Humulene	0.2%



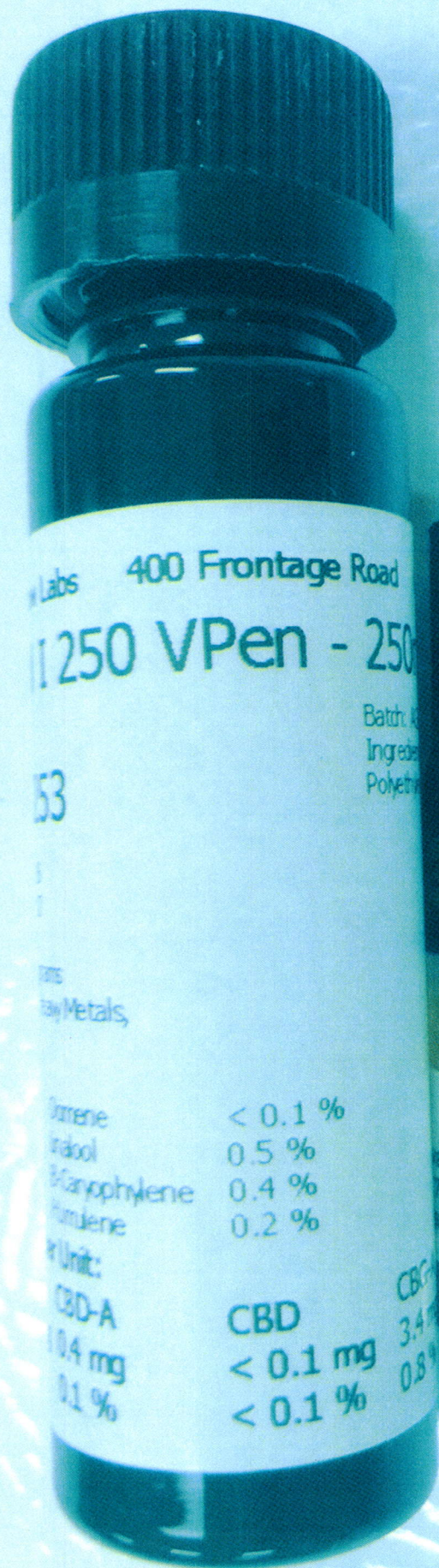
Results Approved by: Jose A. Zavaleta, Lab Director

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Client Lot Number: **MP161213 (1:5)**

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



400 Frontage Road

1 250 VPen - 250

Batch:
Ingredients:
Polyethylene

53

Heavy Metals,

Terpene	< 0.1 %
Isobutyl	0.5 %
β-Caryophyllene	0.4 %
Humulene	0.2 %

Unit:

CBD-A

0.4 mg

0.1 %

CBD

< 0.1 mg

< 0.1 %

CBD

3.4

0.8

Marin L 250 VPe
788 Expiration
for more info