

Advanced Grow Labs 400 Frontage Road West Haven, CT 06516

Sativarin E VPen
300
NDC: 4081

Batch: AGL-GD-F4H12-171120-P
Ingredients: Cannabis Oil, Polyethylene Glycol.

Packaging Date: 12/28/2017 Net Wt: 0.51 g
Expiration Date: 12/27/2018 0.02 oz
Testing Date: 12/27/2017

Flower Equivalence: 1.20 grams
Microbiology, Mycotoxins, Heavy Metals,
Pesticides - ALL PASS

Contains Terpenes:

α -Pinene	< 0.1 %	Odorless	< 0.1 %
B-Pinene	< 0.1 %	Linalool	0.8 %
B-Myrcene	< 0.1 %	B-Caryophyllene	0.8 %
Limonene	0.2 %	Humulene	0.2 %

Cannabinoid Content per Unit:

THC-A	THC	CBD-A	CBD	CBG-A	CBG	CBN	CBC
0.5 mg	293.1 mg	< 0.1 mg	1.0 mg	1.5 mg	6.2 mg	1.5 mg	3.1 mg
0.1 %	56.8 %	< 0.1 %	0.2 %	0.3 %	1.2 %	0.3 %	0.6 %

Sativarin E VPen 300

NDC: 4081 Expiration: 12/27/18

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: 12/27/2017 COA No.: 21122717-A

Client Lot Number	Sample ID	Test Conducted
GD-F4H12-171120-P	3292-5	Active Ingredient Analysis
	3292-5	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%	0.5	0.5	0.5	1.0
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	56.8%	284.0	293.1	297.6	568.0
Cannabidiol Acid (CBD-A)	<0.1%	<0.1	<0.1	<0.1	<0.1
Cannabidiol (CBD)	0.2%	1.0	1.0	1.0	2.0
Cannabigerol Acid (CBG-A)	0.3%	1.5	1.5	1.6	3.0
Cannabigerol (CBG)	1.2%	6.0	6.2	6.3	12.0
Cannabinol (CBN)	0.3%	1.5	1.5	1.6	3.0
Cannabichromene (CBC)	0.6%	3.0	3.1	3.1	6.0

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Client Lot Number: **GD-F4H12-171120-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	<0.1%
Limonene	0.2%
Ocimene	<0.1%
Linalool	0.8%
β -Caryophyllene	0.8%
Humulene	0.2%


Results Approved by: Jose A. Zavaleta, Director

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Client Lot Number: **GD-F4H12-171120-P**

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

Results issued on: 11/29/2017 COA No.: 21112917-C

Client Lot Number	Sample ID	Tests Conducted
GDF4H12-171120-O	3291-14	Quality Control Analysis
	3291-10	
	3291-10	Active Ingredient Analysis
	3291-10	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	<i>See attachment A</i>		Passed

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Client Lot Number: **MP-F1H12-170925-O**

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%	0.5	0.5	0.5	1.0
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	73.8%	369	381	385	738
Cannabidiol Acid (CBD-A)	0.1%	0.5	0.5	0.5	1.0
Cannabidiol (CBD)	0.2%	1.0	1.0	1.0	2.0
Cannabigerol Acid (CBG-A)	0.4%	2.0	2.1	2.1	4.0
Cannabigerol (CBG)	1.5%	7.5	7.7	7.9	15.0
Cannabinol (CBN)	0.4%	2.0	2.1	2.1	4.0
Cannabichromene (CBC)	0.8%	4.0	4.1	4.2	8.0

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	0.1%
Limonene	0.3%
Ocimene	<0.1%
Linalool	1.0%
β -Caryophyllene	1.1%
Humulene	0.3%


Results Approved by: Jose A. Zavaleta, Lab Director

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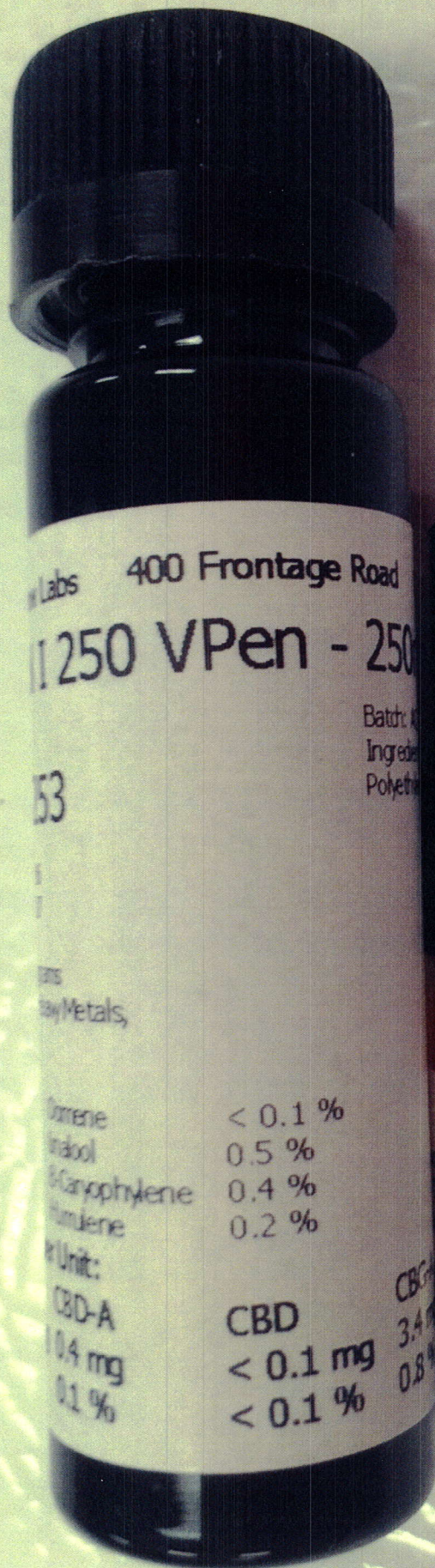
Client Lot Number: **MP-F1H12-170925-O**

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: **MP-F1H12-170925-O**



400 Frontage Road

Marin L 250 VPen - 250

Batch:
Ingredients:
Polyethylene

53

Heavy Metals,

Terpene	< 0.1 %
Indanol	0.5 %
8-Caryophyllene	0.4 %
Humulene	0.2 %

Unit:

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

Marin L 250 VPen
86 Expiration
for more info

CBD
3.4
0.8