

Advanced Grow Labs 400 Frontage Road West Haven, CT 06516

Sativarin B VPen

300

NDC: 4390

Batch: AGL-SHF2H14-180305-P
Ingredients: Cannabis Oil, Polyethylene Glycol.

Packaging Date: 03/26/2018 Net Wt: 0.52 g
Expiration Date: 03/24/2019 0.02 oz

Testing Date: 03/24/2018

Flower Equivalence: 1.20 grams

Microbiology, Mycotoxins, Heavy Metals,
Pesticides - ALL PASS

Contains Terpenes:

a-Pinene	< 0.10 %	Odorless	< 0.10 %
B-Pinene	< 0.10 %	Linalool	0.30 %
B-Myrcene	< 0.10 %	B-Caryophyllene	0.70 %
Limonene	0.20 %	Humulene	0.20 %

Cannabinoid Content per Unit:

THC-A	THC	CBD-A	CBD	CBG-A	CBG	CBN	CBC
1.57 mg	302 mg	< 0.10 mg	0.52 mg	2.62 mg	4.72 mg	1.05 mg	3.67 mg
0.30 %	57.6 %	< 0.10 %	0.10 %	0.50 %	0.90 %	0.20 %	0.70 %

Sativarin B VPen 300

NDC: 4390 Expiration: 3/24/19

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: 3/24/2018 COA No.: 21032318-A

Client Lot Number	Sample ID	Test Conducted
SH-F2H14-180305-P	3319-3	Active Ingredient Analysis
	3319-3	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 524-mg of product	mg per 1000-mg of product
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 -THC-A)	0.30%	1.50	1.57	3.00
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	57.6%	288	302	576
Cannabidiol Acid (CBD-A)	<0.10%	<0.10	<0.10	<0.10
Cannabidiol (CBD)	0.10%	0.50	0.52	1.00
Cannabigerol Acid (CBG-A)	0.50%	2.50	2.62	5.00
Cannabigerol (CBG)	0.90%	4.50	4.72	9.00
Cannabinol (CBN)	0.20%	1.00	1.05	2.00
Cannabichromene (CBC)	0.70%	3.50	3.67	7.00

©2017 AltaSci, LLC All rights reserved. Sample(s) tested were collected at the Customer's production facility from lot(s) as designated by the Customer. All results contained in this Certificate of Analysis, CoA, only reflect the "status" of the sample(s) tested. AltaSci, LLC does not guarantee that the "status" of the sampled lot(s) will not change due to any processing by the Customer following the testing by AltaSci, LLC

Client Lot Number: SH-F2H14-180305-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	0.20%
Ocimene	<0.10%
Linalool	0.30%
β -Caryophyllene	0.70%
Humulene	0.20%



Results Approved by: Jose A. Zavaleta, Director

©2017 AltaSci, LLC All rights reserved. Sample(s) tested were collected at the Customer's production facility from lot(s) as designated by the Customer. All results contained in this Certificate of Analysis, CoA, only reflect the "status" of the sample(s) tested. AltaSci, LLC does not guarantee that the "status" of the sampled lot(s) will not change due to any processing by the Customer following the testing by AltaSci, LLC

Client Lot Number: **SH-F2H14-180305-P**

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

Results issued on: 3/12/2018 COA No.: 21031218-E

Client Lot Number	Sample ID	Tests Conducted
SH-F2H14-180305-O	3318-3	Quality Control Analysis
	3318-4	
	3318-4	Active Ingredient Analysis
	3318-4	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

©2017 AltaSci, LLC All rights reserved. Sample(s) tested were collected at the Customer's production facility from lot(s) as designated by the Customer. All results contained in this Certificate of Analysis, CoA, only reflect the "status" of the sample(s) tested. AltaSci, LLC does not guarantee that the "status" of the sampled lot(s) will not change due to any processing by the Customer following the testing by AltaSci, LLC

Client Lot Number: SH-F2H14-180305-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)	0.5%	2.5	2.6	2.6	5.0
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	75.0%	375.0	387.0	393.0	750.0
Cannabidiol Acid (CBD-A)	<0.1%	<0.1	<0.1	<0.1	<0.1
Cannabidiol (CBD)	0.1%	0.5	0.5	0.5	1.0
Cannabigerol Acid (CBG-A)	0.5%	2.5	2.6	2.6	5.0
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)	0.8%	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	0.4%
β -Caryophyllene	0.8%
Humulene	0.2%


Results Approved by: Jose A. Zavaleta, Lab Director

©2017 AltaSci, LLC All rights reserved. Sample(s) tested were collected at the Customer's production facility from lot(s) as designated by the Customer. All results contained in this Certificate of Analysis, CoA, only reflect the "status" of the sample(s) tested. AltaSci, LLC does not guarantee that the "status" of the sampled lot(s) will not change due to any processing by the Customer following the testing by AltaSci, LLC

Client Lot Number: **SH-F2H14-180305-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

©2017 AltaSci, LLC All rights reserved. Sample(s) tested were collected at the Customer's production facility from lot(s) as designated by the Customer. All results contained in this Certificate of Analysis, CoA, only reflect the "status" of the sample(s) tested. AltaSci, LLC does not guarantee that the "status" of the sampled lot(s) will not change due to any processing by the Customer following the testing by AltaSci, LLC

Client Lot Number: **SH-F2H14-180305-O**

Advanced Grow Labs

Sativarin B VPen
300
NDC: 4390

Packaging Date: 03/26/2018 Net Wt:
Expiration Date: 03/24/2019
Testing Date: 03/24/2018
Flower Equivalence: 1.20 grams
Microbiology, Mycotoxins, Heavy Metals
Pesticides - ALL PASS
Contains Terpenes:
a-Pinene < 0.10 % Camphene
B-Pinene < 0.10 % Linalool
B-Myrcene < 0.10 % B-Caryophyllene
Limonene 0.20 % Humulene

Cannabinoid Content per Unit:

THC-A	THC	CBD-A
1.57 mg	302 mg	< 0.10 mg
0.30 %	57.6 %	< 0.10 %

Sativarin B

Expiration
See package