

Advanced Grow Labs 400 Frontage Road West Haven, CT 06516

Cannabidiol D 1:5 250 VPen

NDC: 3124

Batch: AQL-MP-F5H1-170214-01:5P
Ingredients: Cannabis Oil, Polyethylene Glycol.

Packaging Date: 03/24/2017 Net Wt: 0.42 g
Expiration Date: 03/23/2018 < 0.01 oz
Testing Date: 03/23/2017

Flower Equivalence: 1.08 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	0.1 %	B-Caryophyllene	0.2 %
Limonene	< 0.1 %	Humulene	0.1 %

Cannabinoid Content per Unit:

THC-A	THC	CBD-A	CBD	CBG-A	CBG	CBN	CBC
< 0.1 mg	45.4 mg	6.7 mg	219.2 mg	1.7 mg	4.2 mg	0.4 mg	8.4 mg
< 0.1 %	10.8 %	1.6 %	52.2 %	0.4 %	1.0 %	0.1 %	2.0 %

Cannabidiol D 1:5 250 VPen
NDC#3124 Expiration: 3/23/18
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: 3/23/2017 COA No.: 21032317-C

Client Lot Number	Sample ID	Test Conducted
MPF5H1-170214-O-1:5P	3234-3	Active Ingredient Analysis
	3234-3	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%	<0.1
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	10.8%	45.4
Cannabidiol Acid (CBD-A)	1.6%	6.7
Cannabidiol (CBD)	52.2%	219.2
Cannabigerol Acid (CBG-A)	0.4%	1.7
Cannabigerol (CBG)	1.0%	4.2
Cannabinol (CBN)	0.1%	0.4
Cannabichromene (CBC)	2.0%	8.4

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Client Lot Number: **MPF5H1-170214-O-1:5P**

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	<0.1%
β -Caryophyllene	0.2%
Humulene	0.1%


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: 3/13/2017 COA No.: 21031317-B

Client Lot Number	Sample ID	Tests Conducted
MP-F5H1-170214-O-1:5	3232-3	Quality Control Analysis
	3232-4	
	3232-4	Active Ingredient Analysis
	3232-4	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: MP-F5H1-170214-O-1:5

Active Ingredient Results

via High Performance Liquid Chromatography (HPLC)

Cannabinoid	Percent by weight (w/w)
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 -THC-A)	<0.1%
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	12.3%
Cannabidiol Acid (CBD-A)	1.8%
Cannabidiol (CBD)	58.9%
Cannabigerol Acid (CBG-A)	0.4%
Cannabigerol (CBG)	1.1%
Cannabinol (CBN)	0.1%
Cannabichromene (CBC)	2.3%

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	<0.1%
β -Caryophyllene	0.2%
Humulene	0.1%


Results Approved by: Jose A. Zavaleta, Lab Director

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Client Lot Number: **MP-F5H1-170214-O-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

Labs 400 Frontage Road
250 VPen - 250
 Batch: A
 Ingredient
 Polyethylene
 53
 Metals,
 Limene < 0.1 %
 Indol 0.5 %
 8-Caryophyllene 0.4 %
 Humulene 0.2 %
 Unit:
 CBD-A
 0.4 mg
 0.1 %
 CBD
 < 0.1 mg
 < 0.1 %

250 VPen
 86 Expiration
 for more info