

Cannabidiol D4 1:5 VPen - 250mg

Advanced Grow Labs
400 Frontage Road
West Haven, CT 06516

OPC Lic #: 1 **Batch #:** AGL-VP-
MP160404-P **Package ID:** 1715

Harvest Date: **Vendor Type:** **Strain:**

Packaged Date: 04-28-2016 **Expiration Date:** 04-26-2017

Gross Weight: 5.32 GR **Net Weight:** 0.42 GR **MIP Weight:**



1715

Ingredients:

Dosage Form: Vaporizer Cartridge: 420mg Cartridge. **PURE CANNABIS OIL POTENCY** THC-A 0.1%, THC 12.4%, CBD-A 1.2%, CBD 60.7%, CBG-A 0.3%, CBG 1.0%, CBN 0.2%, CBC <0.1%

Cannabidiol D + PEG BLENDED CANNABIS OIL POTENCY-
Cannabidiol D Cannabis Oil-345.3mg, PEG 74.7mg. THC Total
Content 42.4mg, CBD Total Content 213.4mg.

Cannabinoid Content per Cartridge: THC-A 0.1mg, THC 42.4mg,
CBD-A 3.8mg, CBD 209.6mg, CBG-A 0.8mg, CBG 3.4mg, CBN
0.8mg, CBC <0.1mg. This product contains the equivalent of 1.0
gram of flower.

Advanced Grow Labs

Tested On: 2016-04-26

THC:	10.1%	CBD:	49.9%
THCA:	<0.1%	CBDA:	0.9%
DTHC:	N/T	CBN:	0.2%

**Cannabidiol D4 1:5 Vpen– 250mg
NDC#1715 Expiration: 4/26/17**

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: 4/27/2016 COA No.: 21042716-B

Client Lot Number	Sample ID	Test Conducted
MP160404-P250	21042616-5	Active Ingredient Analysis
	21042616-5	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)	10.1%	42.4
Cannabidiol Acid (CBD-A)	0.9%	3.8
Cannabidiol (CBD)	49.9%	209.6
Cannabigerol Acid (CBG-A)	0.2%	0.8
Cannabigerol (CBG)	0.8%	3.4
Cannabinol (CBN)	0.2%	0.8
Cannabichromene (CBC)	<0.1%	<0.1

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	0.3%
Limonene	0.1%
Ocimene	<0.1%
Linalool	<0.1%
β -Caryophyllene	0.5%
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

Resulting Pre-PEG
oil batch from two combined
and tested oils

Results issued on: 4/8/2016 COA No.: 21040816-C

Client Lot Number	Sample ID	Test Conducted
MP160404	21040516-1	Active Ingredient Analysis
	21040516-1	Terpene Analysis

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)	12.4%
Cannabidiol Acid (CBD-A)	1.2%
Cannabidiol (CBD)	60.7%
Cannabigerol Acid (CBG-A)	0.3%
Cannabigerol (CBG)	1.0%
Cannabinol (CBN)	0.2%
Cannabichromene (CBC)	<0.1%

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, Director

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

2/2 oil batches used
to create Pre-PEG oil Batch

Results issued on: 11/13/2015 COA No.: 21111315-B

Sample ID	Test Conducted	Client Lot Number
21111015-3	Quality Control Analysis	PW151106
21111015-4	Active Ingredient Analysis	
21111015-4	Terpene Content Analysis	

Quality Control Results

<u>Test</u>	<u>Specification</u>	<u>Results</u> (Pass/Fail)
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

Active Ingredient Results

via High Performance Liquid Chromatography (HPLC)

Cannabinoid	Percent by weight (w/w)
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 -THC-A)	0.202%
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	56.608%
Cannabidiol Acid (CBD-A)	2.202%
Cannabidiol (CBD)	16.291%
Cannabigerol Acid (CBG-A)	0.460%
Cannabigerol (CBG)	1.154%
Cannabinol (CBN)	0.945%
Cannabichromene (CBC)	1.294%

Terpene Content Results

via Gas Chromatography Mass Spectrometry (GC-MS)

Terpene	Percent by weight (w/w)
α -Pinene	0.070%
β -Pinene	<0.010%
β -Myrcene	0.578%
Limonene	0.153%
Ocimene	0.026%
Linalool	0.211%
β -Caryophyllene	0.811%
Humulene	0.289%



Results Approved by: Jose A. Zavaleta, Lab Director

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

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

1/2 oil batches used
to create Pre-PEG oil batch

Results issued on: 4/4/2016 COA No.: 21040416-C

Client Lot Number	Sample ID	Tests Conducted
MP160331	21040116-3	Quality Control Analysis
	21040116-4	Active Ingredient Analysis
	21040116-4	Terpene Analysis

Quality Control Results

<u>Test</u>	<u>Specification</u>	<u>Results</u> (Pass/Fail)
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: **MP160331**

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)	4.7%
Cannabidiol Acid (CBD-A)	1.1%
Cannabidiol (CBD)	69.4%
Cannabigerol Acid (CBG-A)	0.3%
Cannabigerol (CBG)	1.1%
Cannabinol (CBN)	0.1%
Cannabichromene (CBC)	2.4%

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	0.6%
Limonene	0.3%
Ocimene	<0.1%
Linalool	<0.1%
β -Caryophyllene	0.6%
Humulene	0.3%



Results Approved by: Jose A. Zavaleta, Lab Director

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Client Lot Number: **MP160331**

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