

Advanced Grow Labs 400 Frontage Road West Haven, CT 06516

Cannabidiol D 1:1 Sublingual Spray - 200mg

NDC: 3728

Batch: AG-MP-F6H-170809-O-1:1-SS
Ingredients: Food Grade Ethyl Alcohol, Food Grade
Propylene Glycol, Peppermint Oil, Cannabis Oil.

Packaging Date: 09/11/2017 Net Wt: 2.44 g
Expiration Date: 09/11/2018 0.08 oz

Testing Date: 09/11/2017

Flower Equivalence: 0.8 grams

Microbiology, Mycotoxins, Heavy Metals,

Pesticides - ALL PASS

Contains Terpenes:

a-Pinene	< 0.1 %	Ocimene	< 0.1 %
B-Pinene	< 0.1 %	Linalool	0.1 %
B-Myrcene	< 0.1 %	B-Caryophyllene	< 0.1 %
Limonene	< 0.1 %	Humulene	< 0.1 %

Cannabinoid Content per Unit:

THC-A	THC	CBD-A	CBD	CBG-A	CBG	CBN	CBC
< 0.1 mg	102.5 mg	9.8 mg	97.6 mg	2.4 mg	2.4 mg	< 0.1 mg	4.9 mg
< 0.1 %	4.2 %	0.4 %	4.0 %	0.1 %	0.1 %	< 0.1 %	0.2 %

Cannabidiol D 1:1

Sublingual Spray

NDC: 3728 Expiration: 9/11/18

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: 9/11/2017 COA No.: 21091117-E

Client Lot Number	Sample ID	Test Conducted
MP-F6H3-170809-O-1:1-SS	3272-3	Active Ingredient Analysis
	3272-3	Terpene Analysis

Active Ingredient Results

via High Performance Liquid Chromatography (HPLC)

Cannabinoid	Percent by weight (w/w)	mg per 2.44-grams of product
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 -THC-A)	<0.1%	<0.1
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	4.2%	102.5
Cannabidiol Acid (CBD-A)	0.4%	9.8
Cannabidiol (CBD)	4.0%	97.6
Cannabigerol Acid (CBG-A)	0.1%	2.4
Cannabigerol (CBG)	0.1%	2.4
Cannabinol (CBN)	<0.1%	<0.1
Cannabichromene (CBC)	0.2%	4.9

©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: MP-F6H3-170809-O-1:1-SS

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	<0.1%
Humulene	<0.1%



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: **MP-F6H3-170809-O-1:1-SS**

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

Results issued on: 9/7/2017 COA No.: 21082417-A

Client Lot Number	Sample ID	Tests Conducted
MP-F6H3-170809-O-1:1	3268-1	Quality Control Analysis
	3268-2	Active Ingredient Analysis
	3268-2	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: MP-F6H3-170809-O-1:1

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	mg per 470-mg of product
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 -THC-A)	0.1%	0.3	0.4	0.5	0.5
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	36.7%	102.8	154.1	194.5	172.5
Cannabidiol Acid (CBD-A)	3.6%	10.1	15.1	19.1	16.9
Cannabidiol (CBD)	35.3%	98.8	148.3	187.1	165.9
Cannabigerol Acid (CBG-A)	0.6%	1.7	2.5	3.2	2.8
Cannabigerol (CBG)	1.0%	2.8	4.2	5.3	4.7
Cannabinol (CBN)	0.2%	0.6	2.5	1.1	0.9
Cannabichromene (CBC)	1.6%	4.5	6.7	8.5	7.5

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	0.3%
β -Caryophyllene	0.9%
Humulene	0.3%



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: **MP-F6H3-170809-O-1:1**

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: MP-F6H3-170809-O-1:1

