

Advanced Grow Labs 400 Frontage Road West Haven, CT 06516

Sativarin D VPen

300

NDC: 3785

Batch: AGL-BD-F4H12-170927-P
Ingredients: Cannabis Oil, Polyethylene Glycol.

Packaging Date: 10/27/2017 Net Wt: 0.51 g
Expiration Date: 10/24/2018 0.02 oz
Testing Date: 10/24/2017

Flower Equivalence: 1.27 grams
Microbiology, Mycotoxins, Heavy Metals,
Pesticides - ALL PASS

Contains Terpenes:

a-Pinene	< 0.01 %	Ocimene	< 0.01 %
B-Pinene	0.05 %	Linalool	0.35 %
B-Myrcene	0.06 %	B-Caryophyllene	2.44 %
Limonene	0.40 %	Humulene	2.05 %

Cannabinoid Content per Unit:

THC-A	THC	CBD-A	CBD	CBG-A	CBG	CBN	CBC
< 0.52 mg	313.62 mg	< 0.52 mg	< 0.52 mg	< 0.98 mg	2.37 mg	1.14 mg	3.56 mg
< 0.1 %	60.78 %	< 0.1 %	< 0.1 %	0.19 %	0.46 %	0.22 %	0.69 %

Sativarin D VPen 300

NDC: 3785 Expiration: 10/24/18

See packaging for more info

**Report To:**

ADVANCED GROW LABS

Attn: Elaine Lonergan

400 Frontage Rd

West Haven, CT 06516

Date Received: 10/19/2017

Date Tested: 10/24/2017

Laboratory Report#: N1771930-01E-Mail: elonergan@advancedgrowlabs.com

Report Date: 10/26/2017

<u>Sample Site:</u>	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT
<u>Date Collected:</u>	10/19/2017 11:13 AM Collected by: W. Clark of NELabs
<u>Laboratory ID #:</u>	<u>1771930 – 01</u>
<u>Product Description:</u>	<u>BD-F4H12-170927-P</u>

TERPENES (% Dry Weight)	Result	Units
a-pinene	<0.01	%
b-pirene	0.05	%
b-myrcene	0.06	%
limonene	0.40	%
ocimene	<0.01	%
linalool	0.35	%
b-caryophyllene	2.44	%
humulene	2.05	%

METHODS: GC, GC/MS**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 10/19/2017

Approved By: 
Alan C. Johnson, Laboratory Director

**Report To:****ADVANCED GROW LABS****Attn: Elaine Loneragan****400 Frontage Rd****West Haven, CT 06516****Date Received: 10/19/2017****Date Tested: 10/21/2017****Laboratory Report#: N1771930-01****E-Mail: elonergan@advancedgrowlabs.com****Report Date: 10/26/2017**

<u>Sample Site:</u>	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT		
<u>Date Collected:</u>	10/19/2017 11:13 AM	Collected by: W. Clark of NELabs	
<u>Laboratory ID #:</u>	<u>1771930 – 01</u>		
<u>Product Description:</u>	BD-F4H12-170927-P		

<u>CANNABINOIDS (% weight)</u>	<u>Result</u>	<u>Units</u>
CBDA	<0.1	% weight
CBGA	0.19	% weight
CBG	0.46	% weight
CBD	<0.1	% weight
CBN	0.22	% weight
THC	60.78	% weight
CBC	0.69	% weight
THCA	<0.1	% weight

METHODS: HPLC**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 10/19/2017


Approved By: Alan C. Johnson, Laboratory Director

**Report To:****ADVANCED GROW LABS****Attn: Elaine Loneragan****400 Frontage Rd****West Haven, CT 06516****Date Received: 10/19/2017****Date Tested: 10/21/2017****Laboratory Report#: N1771930-01****E-Mail: elonergan@adancedgrowlabs.com****Report Date: 10/26/2017**

<u>Sample Site:</u>	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT		
<u>Date Collected:</u>	10/19/2017 11:13 AM	Collected by: W. Clark of NELabs	
<u>Laboratory ID #:</u>	<u>1771930 – 01</u>		
<u>Product Description:</u>	BD-F4H12-170927-P		

<u>CANNABINOIDS (per 500 mg)</u>	<u>Result</u>	<u>Units</u>
CBDA	<0.50	mg per 500mg
CBGA	0.95	mg per 500mg
CBG	2.30	mg per 500mg
CBD	<0.50	mg per 500mg
CBN	1.10	mg per 500mg
THC	303.90	mg per 500mg
CBC	3.45	mg per 500mg
THCA	<0.50	mg per 500mg

METHODS: HPLC**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 10/19/2017


Approved By:
Alan C. Johnson, Laboratory Director

**Report To:****ADVANCED GROW LABS****Attn: Elaine Loneragan****400 Frontage Rd****West Haven, CT 06516**Date Received: **10/19/2017**Date Tested: **10/21/2017**Laboratory Report#: **N1771930-01****E-Mail:** elonergan@adancedgrowlabs.comReport Date: **10/26/2017**

<u>Sample Site:</u>	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT		
<u>Date Collected:</u>	10/19/2017 11:13 AM	Collected by: W. Clark of NELabs	
<u>Laboratory ID #:</u>	<u>1771930 – 01</u>		
<u>Product Description:</u>	BD-F4H12-170927-P		

<u>CANNABINOIDS (per 516 mg)</u>	<u>Result</u>	<u>Units</u>
CBDA	<0.52	mg per 516mg
CBGA	0.98	mg per 516mg
CBG	2.37	mg per 516mg
CBD	<0.52	mg per 516mg
CBN	1.14	mg per 516mg
THC	313.62	mg per 516mg
CBC	3.56	mg per 516mg
THCA	<0.52	mg per 516mg

METHODS: HPLC**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 10/19/2017


Approved By:
Alan C. Johnson, Laboratory Director

**Report To:****ADVANCED GROW LABS****Attn: Elaine Loneragan****400 Frontage Rd****West Haven, CT 06516**Date Received: **10/19/2017**Date Tested: **10/21/2017**Laboratory Report#: **N1771930-01**E-Mail: elonergan@adancedgrowlabs.comReport Date: **10/26/2017**

<u>Sample Site:</u>	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT		
<u>Date Collected:</u>	10/19/2017 11:13 AM	Collected by: W. Clark of NELabs	
<u>Laboratory ID #:</u>	<u>1771930 – 01</u>		
Product Description:	BD-F4H12-170927-P		

<u>CANNABINOIDS (per 524 mg)</u>	<u>Result</u>	<u>Units</u>
CBDA	<0.52	mg per 524mg
CBGA	1.00	mg per 524mg
CBG	2.41	mg per 524mg
CBD	<0.52	mg per 524mg
CBN	1.15	mg per 524mg
THC	318.49	mg per 524mg
CBC	3.62	mg per 524mg
THCA	<0.52	mg per 524mg

METHODS: HPLC**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 10/19/2017


Approved By: **Alan C. Johnson, Laboratory Director**

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<u>Sample Site:</u>	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT		
<u>Date Collected:</u>	10/19/2017 11:13 AM	Collected by: W. Clark of NELabs	
<u>Laboratory ID #:</u>	1771930 – 01		
<u>Product Description:</u>	BD-F4H12-170927-P		

<u>CANNABINOIDS (mg per 1,000 mg)</u>	<u>Result</u>	<u>Units</u>
CBDA	<1.0	mg per 1,000mg
CBGA	1.90	mg per 1,000mg
CBG	4.60	mg per 1,000mg
CBD	<1.0	mg per 1,000mg
CBN	2.20	mg per 1,000mg
THC	607.80	mg per 1,000mg
CBC	6.90	mg per 1,000mg
THCA	<1.0	mg per 1,000mg

METHODS: HPLC**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 10/19/2017


Approved By: Alan C. Johnson, Laboratory Director

**Report To:****ADVANCED GROW LABS****Attn: Elaine Loneragan****400 Frontage Rd
West Haven, CT 06516**Date Received: **9/28/2017**Date Tested: **9/29/2017**Laboratory Report#: **N1771720-06**E-Mail: elonergan@advancedgrowlabs.comReport Date: **10/13/2017**

<u>Sample Site:</u>	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT		
<u>Date Collected:</u>	09/28/2017 10:39 AM	Collected by: W. Clark of NELabs	
<u>Laboratory ID #:</u>	1771720 – 06		
<u>Product Description:</u>	BD-F4H12-170927-O		

Parameter	Result	Units	Recommended Limits *	
Total Aerobic Microbial Count	<100	per gram	PASS	100,000
Total Yeast & Mold Count	<100	per gram	PASS	10,000
Bile Tolerant Gram Negative Bacteria	<100	per gram	PASS	1,000
Coliform	<100	per gram	PASS	1,000
Enteropathogenic E.coli	Not Detected	per gram	PASS	Not Detected
Salmonella species	Not Detected	per gram	PASS	Not Detected

*** RECOMMENDED LIMITS:** per American Herbal Pharmacopoeia (2013)**PASS = Product meets Microbial and Fungal Recommended Limits
per American Herbal Pharmacopoeia (2013)****METHODS:** USP 2021, USP 2022, FDA-BAM, AOAC 996.09**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 09/28/2017

Approved By:

Alan C. Johnson, Laboratory Director

**Report To:****ADVANCED GROW LABS****Attn: Elaine Loneragan****400 Frontage Rd****West Haven, CT 06516****Date Received: 9/28/2017****Date Tested: 10/12 – 10/13 2017****Laboratory Report#: N1771720-06****E-Mail: eloneragan@advancedgrowlabs.com****Report Date: 10/13/2017**

<u>Sample Site:</u>	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT
<u>Date Collected:</u>	09/28/2017 10:39 AM Collected by: W. Clark of NELabs
<u>Laboratory ID #:</u>	<u>1771720 – 06</u>
<u>Product Description:</u>	BD-F4H12-170927-O

HEAVY METALS:

Parameter	Result	Units		Limits
Arsenic, Total	<0.0005	µg/kg BW/day	PASS	<0.14
Cadmium, Total	<0.002	µg/kg BW/day	PASS	<0.09
Lead, Total	<0.002	µg/kg BW/day	PASS	<0.29
Mercury, Total	<0.005	µg/kg BW/day	PASS	<0.29

Daily Dose: 1 gram**Body Weight: 50 kilograms**

METHODS: USP <232> and <233> (Modified)
AOAC 986.15, 935.50, 971.21
FCC 7, Appendix 3

LIMITS: per American Herbal Pharmacopoeia (2013)

PASS = Product meets Heavy Metals Recommended Limits
per American Herbal Pharmacopoeia (2013)

Comments:

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Approved By:**Alan C. Johnson, Laboratory Director**

**Report To:****ADVANCED GROW LABS****Attn: Elaine Lonergan****400 Frontage Rd****West Haven, CT 06516****Date Received: 9/28/2017****Date Tested: 10/3 & 10/06 2017****Laboratory Report#: N1771720-06****E-Mail: elonergan@advancedgrowlabs.com****Report Date: 10/13/2017**

<u>Sample Site:</u>	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT
<u>Date Collected:</u>	09/28/2017 10:39 AM Collected by: W. Clark of NELabs
<u>Laboratory ID #:</u>	<u>1771720 – 06</u>
<u>Product Description:</u>	BD-F4H12-170927-O

TERPENES
(% Dry Weight)

	Result	Units
a-pinene	<0.01	%
b-pirene	0.02	%
b-myrcene	0.01	%
limonene	0.13	%
ocimene	<0.01	%
linalool	0.43	%
b-caryophyllene	0.33	%
humulene	0.73	%

Residual Alcohol	0.11	%
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METHODS: GC, GC/MS**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 09/28/2017


Approved By: Alan C. Johnson, Laboratory Director

**Report To:****ADVANCED GROW LABS****Attn: Elaine Lonergan****400 Frontage Rd****West Haven, CT 06516****Date Received: 9/28/2017****Date Tested: 10/13/2017****Laboratory Report#: N1771720-06****E-Mail: elonergan@advancedgrowlabs.com****Report Date: 10/13/2017**

<u>Sample Site:</u>	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT		
<u>Date Collected:</u>	09/28/2017 10:39 AM	Collected by: W. Clark of NELabs	
<u>Laboratory ID #:</u>	<u>1771720 – 06</u>		
<u>Product Description:</u>	BD-F4H12-170927-O		

PESTICIDES LC (MS/MS)				
Parameter	Result	Units		Limits
Abamectin	<0.01	mg/kg	PASS	15
Acequinocyl	<0.01	mg/kg	PASS	14
Azadiractin	<0.01	mg/kg	PASS	60
Bifenazate	<0.01	mg/kg	PASS	6
Bifenthrin	<0.01	mg/kg	PASS	12
Chloromequat Chloride	<0.01	mg/kg	PASS	30
Cyfluthrin	<0.01	mg/kg	PASS	12
Daminozide	<0.01	mg/kg	PASS	270
Etoazole	<0.01	mg/kg	PASS	24
Fenoxycarb	<0.01	mg/kg	PASS	32
Imazalil	<0.01	mg/kg	PASS	6
Imidacloprid	<0.01	mg/kg	PASS	36
Myclobutanil	<0.01	mg/kg	PASS	18
Paclobutrazol	<0.01	mg/kg	PASS	13
Pyrethrum	<0.01	mg/kg	PASS	3
Spinosad	<0.01	mg/kg	PASS	12
Spiromesifen	<0.01	mg/kg	PASS	15
Spirotetramat	<0.01	mg/kg	PASS	30
Trifloxystrobin	<0.01	mg/kg	PASS	60

LOQ = 1.0 µg/kg LOD = 0.1 µg/kg

METHODS: LC – MS/MS (Restek Method)**LIMITS:** per FAO - WHO**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 09/28/2017

Approved By:**Alan C. Johnson, Laboratory Director**

**Report To:****ADVANCED GROW LABS****Attn: Elaine Loneragan****400 Frontage Rd****West Haven, CT 06516****Date Received: 9/28/2017****Date Tested: 10/13/2017****Laboratory Report#: N1771720-06****E-Mail: elonergan@advancedgrowlabs.com****Report Date: 10/13/2017**

Sample Site:	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT
Date Collected:	09/28/2017 10:39 AM Collected by: W. Clark of NELabs
Laboratory ID #:	1771720 – 06
Product Description:	BD-F4H12-170927-O

MYCOTOXINS				
Parameter	Result	Units		Limits
<i>Method: USP 561-II</i>				
Aflatoxin B1	<5	µg/kg	PASS	5
Aflatoxin B2	<5	µg/kg	PASS	5
Aflatoxin G1	<5	µg/kg	PASS	5
Aflatoxin G2	<5	µg/kg	PASS	5
<i>Method: USP 561-II (Mod)</i>				
Ochratoxin-A	<5	µg/kg	PASS	5

METHODS: **USP <561>****Articles of Botanical Origin: Aflatoxins Method 2 (modified for Ochratoxin)****LIMITS:** per American Herbal Pharmacopoeia (2013)**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 09/28/2017

Approved By:**Alan C. Johnson, Laboratory Director**

**Report To:****ADVANCED GROW LABS****Attn: Elaine Lonergan****400 Frontage Rd****West Haven, CT 06516**Date Received: **9/28/2017**Date Tested: **9/29/2017**Laboratory Report#: **N1771720-06**E-Mail: elonergan@advancedgrowlabs.comReport Date: **10/13/2017**

<u>Sample Site:</u>	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT		
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<u>Laboratory ID #:</u>	<u>1771720 – 06</u>		
Product Description:	BD-F4H12-170927-O		

CANNABINOIDS (% weight)	Result	Units
CBDA	<0.1	% weight
CBGA	0.56	% weight
CBG	1.13	% weight
CBD	<0.1	% weight
CBN	<0.1	% weight
THC	83.59	% weight
CBC	0.92	% weight
THCA	0.64	% weight

METHODS: HPLC**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 09/28/2017


Approved By: **Alan C. Johnson, Laboratory Director**

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<u>Laboratory ID #:</u>	<u>1771720 – 06</u>		
Product Description:	BD-F4H12-170927-O		

CANNABINOIDS (per 500 mg)	Result	Units
CBDA	<0.50	mg per 500mg
CBGA	2.80	mg per 500mg
CBG	5.65	mg per 500mg
CBD	<0.50	mg per 500mg
CBN	<0.50	mg per 500mg
THC	417.95	mg per 500mg
CBC	4.60	mg per 500mg
THCA	3.20	mg per 500mg

METHODS: HPLC**Comments:**

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Alan C. Johnson, Laboratory Director

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<u>Laboratory ID #:</u>	<u>1771720 – 06</u>		
<u>Product Description:</u>	BD-F4H12-170927-O		

<u>CANNABINOIDS (per 516 mg)</u>	<u>Result</u>	<u>Units</u>
CBDA	<0.52	mg per 516mg
CBGA	2.89	mg per 516mg
CBG	5.83	mg per 516mg
CBD	<0.52	mg per 516mg
CBN	<0.52	mg per 516mg
THC	431.32	mg per 516mg
CBC	4.75	mg per 516mg
THCA	3.30	mg per 516mg

METHODS: HPLC**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 09/28/2017


Approved By: Alan C. Johnson, Laboratory Director

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Laboratory ID #:	1771720 – 06
Product Description:	BD-F4H12-170927-O

CANNABINOIDS (per 524 mg)	Result	Units
CBDA	<0.52	mg per 524mg
CBGA	2.93	mg per 524mg
CBG	5.92	mg per 524mg
CBD	<0.52	mg per 524mg
CBN	<0.52	mg per 524mg
THC	438.01	mg per 524mg
CBC	4.82	mg per 524mg
THCA	3.35	mg per 524mg

METHODS: HPLC**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 09/28/2017


Approved By: **Alan C. Johnson, Laboratory Director**

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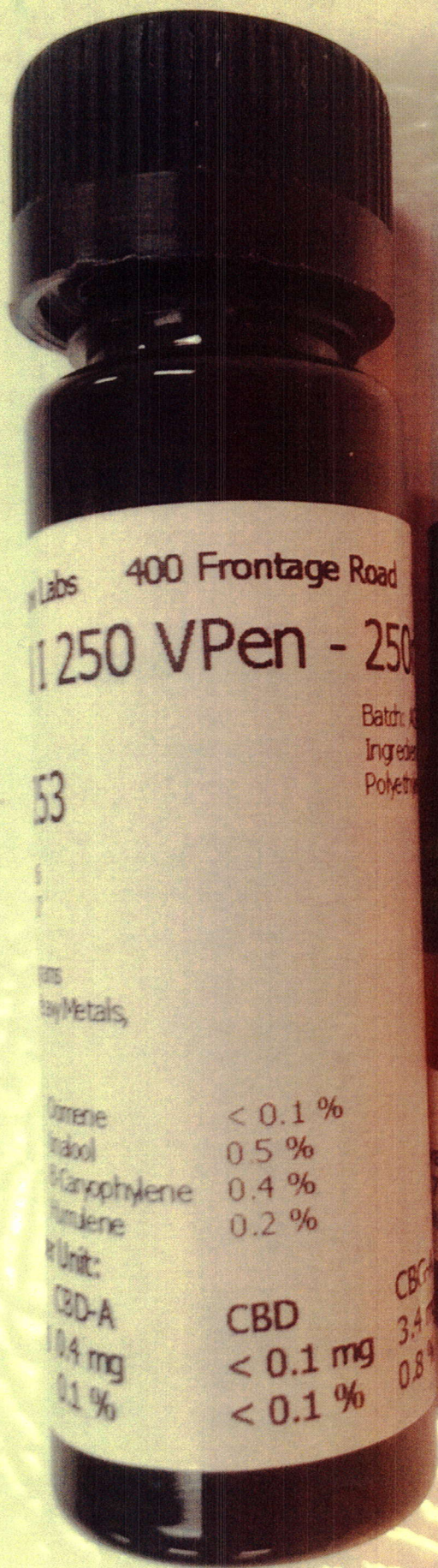
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<u>Laboratory ID #:</u>	<u>1771720 – 06</u>		
<u>Product Description:</u>	BD-F4H12-170927-O		

CANNABINOIDS (mg per 1,000 mg)	Result	Units
CBDA	<1.0	mg per 1,000mg
CBGA	5.60	mg per 1,000mg
CBG	11.30	mg per 1,000mg
CBD	<1.0	mg per 1,000mg
CBN	<1.0	mg per 1,000mg
THC	835.90	mg per 1,000mg
CBC	9.20	mg per 1,000mg
THCA	6.40	mg per 1,000mg

METHODS: HPLC**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 09/28/2017


Approved By: **Alan C. Johnson, Laboratory Director**



400 Frontage Road

1250 VPen - 250

Batch: K
Ingredients
Polyethylene

53

Heavy Metals,

Terpene	< 0.1 %
Alcohol	0.5 %
Phenophylene	0.4 %
Humulene	0.2 %

Unit:

CBD-A
10.4 mg
0.1 %

CBD
< 0.1 mg
< 0.1 %

Marin L 250 VPen
86 Expiration
for more info

CBD

3.4
0.8