FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Florida Highway Patrol Troop L S/N 80-006762

Date In 3/30/2017 Date Out 4/11/2017 ☐Ship ☑P/U ☐H/D ☐CMI ☐EE

Intake Performed By DERR

- ☑ Registration
- ☑ Annual
- ☐ Return from CMI
- ☐ Return from Enforcement Electronics
- ☐ Other

Visual Inspection:

OK	Case	OK	Handle
OK	Dry Gas Holder	OK	Feet
OK	Keyboard/Plug	OK	Back/Plugs
OK	Screws tight	OK	Breath Hose

Other Equipment:
- ☐ Power cord
- ☐ Printer Cable
- ☐ Other

Notes:

Quality Checks Performed By DERR

- ☑ Breath Tube Screen
- ☑ Replace O-Rings
- ☑ Instrument Set Up Verified
- ☑ R-Value 244
- ☑ Flow Verification (L/s)
  - Flow Column # ATP 101
  - 32mm .152 (.139 - .169)
  - 36mm .167 (.156 - .190)
  - 53mm .242 (.228 - .278)
  - 103mm .503 (.447 - .547)
- ☑ Barometric Pressure Check
  - Gauge ID # 68639
- ☑ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	SD3963	20160 3D 03/08/2018
0.08	SD3968	20160 1F 01/26/2018
0.20	SD3969	20160 4C 04/05/2018
0.08 DGS	N/A	A6626605 05/22/2018

Flow Calibration Performed By

- ☑ Flow Calibration N/A
- ☐ Flow Calibration Complete
  - Flow Column #
  - ☐ 5L/min – 17mm
  - ☐ 15L/min – 53mm
  - ☐ 30L/min – 103mm
- ☐ R-Value
- ☐ Post Calibration Verification (L/s)
  - Flow Column #
  - 32mm (.139 - .169)
  - 36mm (.156 - .190)
  - 53mm (.228 - .278)
  - 103mm (.447 - .547)

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Maintenance Performed By

- ☐ Battery Replacement
- ☐ Dry Gas Regulator Replacement
- ☐ Breath Tube Replacement
- ☐ Other

Suggested Service

Optical Bench Calibration Performed By DERR

- ☑ Optical Bench Calibration N/A
- ☑ Optical Bench Calibration Complete

Barometric Pressure Gauge 1020 ID # 28199

Simulator	Serial Number	Lot Number	Expiration
0.000	2235	N/A	N/A
0.040	2108	16101	02/02/18
0.100	2237	15001	05/20/17
0.200	2238	15104	05/27/17
0.400	2239	16102	03/22/18
0.080 DGS	N/A	34416080A2	02/05/19

☑ Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	SD3963	20160 3D	03/08/2018
0.08	SD3968	20160 1F	01/26/2018
0.20	SD3969	20160 4C	04/05/2018
0.08 DGS	N/A	A6626605	05/22/2018

Department Inspection Performed By DERR

- ☑ Barometric Pressure ID# 28663
  - 1022 Gauge
  - 1020 Instrument

Mouth Alcohol Solution Lot # 20160A

Acetone Stock Solution Lot # 20160B

Simulator	Serial Number
0.00	SD3965
Interferent	SD3966
0.05	SD3963
0.08	SD3968
0.20	SD3969

Attachments

- ☑ Form 41
- ☑ Pre-Stability Tests
- ☐ Flow Calibration
- ☑ FORM 40
- ☑ Optical Bench Cal
- ☑ Post-Stability Tests
- ☐ Other REGISTRATION REQUEST

Notes: E-MAILED 4/11/2017

Recalibrated to bring values closer to nominal

AA/pc ok PDM 4/12/2017

- ☑ Instrument Complies with Chapter 11D-8, FAC
- ☐ Instrument Does Not Comply with Chapter 11D-8, FAC
- ☑ Return to/Place into Evidentiary Use
- ☐ Remain Out of Evidentiary Use
- ☑ Conduct an Agency Inspection Before Evidentiary Use

JJ Graham 6/8/17

Quality Control Review Date

Revised November 2012

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Post Stabilities	80-006762	Florida Highway Patrol Troop L	04/11/2017	

0.05g/210L

0.047 to 0.053 ☑

FHP TROOP L
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006762
04/11/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	06:58
Control Test	0.051	06:59
Air Blank	0.000	06:59
Control Test	0.051	07:00
Air Blank	0.000	07:01
Control Test	0.051	07:01
Air Blank	0.000	07:02

Control Test Stats

Average	0.0510
Std Dev	0.0000
Rel Std Dev(%)	0.0000

Operator's Signature

0.08g/210L

0.077 to 0.083 ☑

FHP TROOP L
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006762
04/11/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	07:03
Control Test	0.080	07:04
Air Blank	0.000	07:04
Control Test	0.080	07:05
Air Blank	0.000	07:06
Control Test	0.080	07:06
Air Blank	0.000	07:07

Control Test Stats

Average	0.0800
Std Dev	0.0000
Rel Std Dev(%)	0.0000

Operator's Signature

0.20g/210L

0.194 to 0.206 ☑

FHP TROOP L
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006762
04/11/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	07:08
Control Test	0.197	07:09
Air Blank	0.000	07:09
Control Test	0.198	07:10
Air Blank	0.000	07:11
Control Test	0.198	07:11
Air Blank	0.000	07:12

Control Test Stats

Average	0.1977
Std Dev	0.0006
Rel Std Dev(%)	0.2921

Operator's Signature

DGS 0.08g/210L

0.077 to 0.083 ☑

FHP TROOP L
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006762
04/11/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	07:13
Control Test	0.079	07:13
Air Blank	0.000	07:14
Control Test	0.079	07:14
Air Blank	0.000	07:15
Control Test	0.080	07:15
Air Blank	0.000	07:16

Control Test Stats

Average	0.0793
Std Dev	0.0006
Rel Std Dev(%)	0.7277

Operator's Signature

Instrument Initialization
05:23 04/11/2017

FHP TROOP L
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006762
04/11/2017 05:53:25

Auto Calibration
Max Power Res Value = 46
Auto Range Res Value = 34

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12705, 9um Io = 13546

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	[% Abs Ref]
Sample #1 =	0.0840	(-0.0120)
Sample #2 =	0.0970	(0.0130)
Sample #3 =	0.1000	(0.0380)
Sample #4 =	0.1140	(0.0430)

Avg % Abs = 0.1037 (0.0313)
STD DEV = 0.0091 (0.0161)
REL STD DEV = 8.753 (51.296)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	[% Abs Ref]
Sample #1 =	0.1000	(-0.0050)
Sample #2 =	0.0960	(0.0070)
Sample #3 =	0.1210	(0.0080)
Sample #4 =	0.1170	(0.0170)

Avg % Abs = 0.1113 (0.0107)
STD DEV = 0.0134 (0.0055)
REL STD DEV = 12.062 (51.633)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12694, 9um Io = 13539

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	[% Abs Ref]
Sample #1 =	0.8270	(0.0000)
Sample #2 =	0.8520	(0.0220)
Sample #3 =	0.8450	(0.0450)
Sample #4 =	0.7940	(0.0800)

Avg % Abs = 0.8303 (0.0490)
STD DEV = 0.0317 (0.0292)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	[% Abs Ref]
Sample #1 =	1.4810	(-0.0040)
Sample #2 =	1.5050	(-0.0060)
Sample #3 =	1.4990	(0.0000)
Sample #4 =	1.4820	(0.0170)

Avg % Abs = 1.4953 (0.0037)
STD DEV = 0.0119 (0.0119)
REL STD DEV = 0.798 (325.373)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12679, 9um Io = 13532

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	[% Abs Ref]
Sample #1 =	1.8860	(-0.0010)
Sample #2 =	1.9180	(0.0220)
Sample #3 =	1.9550	(0.0240)
Sample #4 =	1.9410	(0.0540)

Avg % Abs = 1.9380 (0.0333)
STD DEV = 0.0187 (0.0179)
REL STD DEV = 0.964 (53.777)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	[% Abs Ref]
Sample #1 =	3.5390	(0.0000)
Sample #2 =	3.5910	(0.0000)
Sample #3 =	3.6170	(-0.0070)
Sample #4 =	3.6060	(0.0170)

Avg % Abs = 3.6047 (0.0033)
STD DEV = 0.0131 (0.0123)
REL STD DEV = 0.362 (370.270)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12668, 9um Io = 13526

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	[% Abs Ref]
Sample #1 =	3.6580	(-0.0070)
Sample #2 =	3.6980	(0.0040)
Sample #3 =	3.6680	(0.0340)
Sample #4 =	3.6780	(0.0240)

Avg % Abs = 3.6813 (0.0207)
STD DEV = 0.0153 (0.0153)
REL STD DEV = 0.415 (73.913)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	[% Abs Ref]
Sample #1 =	6.8050	(-0.0070)
Sample #2 =	6.8300	(-0.0070)
Sample #3 =	6.8160	(0.0270)
Sample #4 =	6.8130	(0.0100)

Avg % Abs = 6.8197 (0.0100)
STD DEV = 0.0091 (0.0170)
REL STD DEV = 0.133 (170.000)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12660, 9um Io = 13521

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	[% Abs Ref]
Sample #1 =	6.9380	(-0.0110)
Sample #2 =	6.9620	(0.0280)
Sample #3 =	6.9760	(0.0220)
Sample #4 =	6.9160	(0.0500)

Avg % Abs = 6.9513 (0.0333)
STD DEV = 0.0314 (0.0147)
REL STD DEV = 0.452 (44.227)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	[% Abs Ref]
Sample #1 =	12.6200	(0.0040)
Sample #2 =	12.6970	(0.0180)
Sample #3 =	12.6720	(0.0110)
Sample #4 =	12.6280	(0.0260)

Avg % Abs = 12.6657 (0.0183)
STD DEV = 0.0349 (0.0075)
REL STD DEV = 0.276 (40.939)

Optical Calibration
SN: 80-006762
Agency: FHP Troop L
Date: 04/11/2017
Quadratic Fit: +/-0.002g/210L
By:

***** AUTO CAL DATA *****

<<<<< CHANNEL 1 >>>>>

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.104
Std Dev = 0.01 Rel Std Dev = 8.75
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.830
Std Dev = 0.03 Rel Std Dev = 3.81
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.938
Std Dev = 0.02 Rel Std Dev = 0.96
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.681
Std Dev = 0.02 Rel Std Dev = 0.41
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 6.951
Std Dev = 0.03 Rel Std Dev = 0.45
Zero Order Coef = -242.99
First Order Coef = 2517.16
Second Order Coef = 37.08
Standard Deviation = 19.580376

<<<<< CHANNEL 2 >>>>>

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.111
Std Dev = 0.01 Rel Std Dev = 12.06
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.495
Std Dev = 0.01 Rel Std Dev = 0.80
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.605
Std Dev = 0.01 Rel Std Dev = 0.36
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.820
Std Dev = 0.01 Rel Std Dev = 0.13
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 12.665
Std Dev = 0.03 Rel Std Dev = 0.28
Zero Order Coef = -120.20
First Order Coef = 1298.97
Second Order Coef = 16.91
Standard Deviation = 27.456198

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.000	-0.0004
0.040	0.039	0.0007
0.100	0.100	-0.0003
0.200	0.200	-0.0000
0.400	0.400	0.0000

Solution Stats Quadratic Fit Chan 2

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.001	-0.0005
0.040	0.039	0.0009
0.100	0.100	-0.0004
0.200	0.200	-0.0000
0.400	0.400	0.0001

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3187.00
Sample #2 = 3112.00
Sample #3 = 3138.00
Sample #4 = 3164.00
Average Result = 3138.0000
STD DEV = 26.0000
REL STD DEV = 0.829
****
***** CHANNEL 2
Sample #1 = 3425.00
Sample #2 = 3433.00
Sample #3 = 3472.00
Sample #4 = 3451.00
Average Result = 3452.0000
STD DEV = 19.5192
REL STD DEV = 0.565
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1020
3 um H20 Adjust (mg/l*10,000) = 671
9 um H20 Adjust (mg/l*10,000) = 357
**** AUTO CAL PASS

pgm

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Stabilities	80-006762	Florida Highway Patrol Troop L	4/10/2017	

0.05g/210L ☑

0.047 to 0.053 ☑

FHP TROOP L
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006762
04/10/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	06:50
Control Test	0.048	06:51
Air Blank	0.000	06:52
Control Test	0.049	06:52
Air Blank	0.000	06:53
Control Test	0.049	06:54
Air Blank	0.000	06:54

Control Test Stats

Average	0.0487
Std Dev	0.0006
Rel Std Dev(%)	1.1863

Operator's Signature

0.08g/210L ☑

0.077 to 0.083 ☑

FHP TROOP L
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006762
04/10/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	06:55
Control Test	0.078	06:56
Air Blank	0.000	06:57
Control Test	0.078	06:57
Air Blank	0.000	06:58
Control Test	0.078	06:58
Air Blank	0.000	06:59

Control Test Stats

Average	0.0780
Std Dev	0.0000
Rel Std Dev(%)	0.0000

Operator's Signature

0.20g/210L ☑

0.194 to 0.206 ☑

FHP TROOP L
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006762
04/10/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	07:00
Control Test	0.195	07:01
Air Blank	0.000	07:02
Control Test	0.196	07:02
Air Blank	0.000	07:03
Control Test	0.196	07:04
Air Blank	0.000	07:04

Control Test Stats

Average	0.1957
Std Dev	0.0006
Rel Std Dev(%)	0.2951

Operator's Signature

DGS 0.08g/210L ☑

0.077 to 0.083 ☑

FHP TROOP L
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006762
04/10/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	07:06
Control Test	0.081	07:06
Air Blank	0.000	07:07
Control Test	0.081	07:07
Air Blank	0.000	07:07
Control Test	0.081	07:08
Air Blank	0.000	07:08

Control Test Stats

Average	0.0810
Std Dev	0.0000
Rel Std Dev(%)	0.0000

Operator's Signature