FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Homestead Police Department S/N 80-006199

Date In 11/4/2016 Date Out 11/7/2016 ☑ 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 Anti Static BAG

Notes:

Quality Checks
Performed By DERR

- ☑ Breath Tube Screen
- ☑ Replace O-Rings
- ☑ Instrument Set Up Verified
- ☑ R-Value 198
- ☑ Flow Verification (L/s)

Flow Column # ATP 101

32mm	156	(.139 - .169)
36mm	171	(.156 - .190)
53mm	238	(.228 - .278)
103mm	484	(.447 - .547)

- ☑ Barometric Pressure Check
  Gauge ID # 281663
- ☑ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	S03967	201507A 07/14/2017
0.08	S03968	201601F 01/26/2018
0.20	S03969	201505A 05/12/2017
0.08 DGS	N/A	A6600504 01/05/2018

Flow Calibration
Performed By

- ☑ Flow Calibration N/A
- ☐ Flow Calibration Complete

Flow Column #
- ☐ 5L/min – 417mm
- ☐ 15L/min – 93mm
- ☐ 30L/min – 103mm
- ☐ R-Value
- ☐ Post Calibration Verification (L/s)

Flow Column #

32mm		(.139 - .169)
36mm		(.156 - .190)
53mm		(.228 - .278)
103mm		(.447 - .547)

RECEIVED NOV 16 2016 FDLE Alcohol Testing Program

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	2236	16101	02/02/2018
0.100	2237	15001	05/20/2017
0.200	2238	15104	05/27/2017
0.400	2239	16102	03/22/2018
0.080 DGS	N/A	03415080A1	03/05/2017

☑ Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	SD3967	201507A	07/14/2017
0.08	SD3968	201601F	01/26/2018
0.20	SD3969	201505A	05/12/2017
0.08 DGS	N/A	A6600504	01/05/2018

Department Inspection
Performed By DERR

☑ Barometric Pressure ID# 68639 — 1019 Gauge, 1019 Instrument

Mouth Alcohol Solution Lot # 2016-A

Acetone Stock Solution Lot # 2016-B

Simulator	Serial Number
0.00	SD 3965
Interferent	SD 3966
0.05	SD 3967
0.08	SD 3968
0.20	SD 3969

Attachments

- ☑ Form 41
- ☑ Pre-Stability Tests
- ☐ Flow Calibration
- ☑ Optical Bench Cal
- ☑ Post-Stability Tests
- ☐ Other

Notes: E-MAILED 11/7/2016 ☑ APPROVED

QA/QC OK BSM 11/15/16

- ☑ **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**

Brett Kirkland — 11/16/16

Quality Control Review — Date

Revised November 2012

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Post Stabilities	80-006199	Homestead Police Department	11/07/2016	

JBK

0.05g/210L

0.047 to 0.053 ☑

HOMESTEAD PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006199
11/07/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:33
Control Test	0.050	10:33
Air Blank	0.000	10:34
Control Test	0.050	10:35
Air Blank	0.000	10:35
Control Test	0.050	10:36
Air Blank	0.000	10:36

Control Test Stats

Average	0.0500
Std Dev	0.0000
Rel Std Dev(%)	0.0000

Operator's Signature

0.08g/210L

0.077 to 0.083 ☑

HOMESTEAD PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006199
11/07/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:37
Control Test	0.080	10:38
Air Blank	0.000	10:39
Control Test	0.079	10:39
Air Blank	0.000	10:40
Control Test	0.080	10:41
Air Blank	0.000	10:41

Control Test Stats

Average	0.0797
Std Dev	0.0006
Rel Std Dev(%)	0.7247

Operator's Signature

0.20g/210L

0.194 to 0.206 ☑

HOMESTEAD PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006199
11/07/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:42
Control Test	0.201	10:43
Air Blank	0.000	10:43
Control Test	0.201	10:44
Air Blank	0.000	10:45
Control Test	0.200	10:45
Air Blank	0.000	10:46

Control Test Stats

Average	0.2007
Std Dev	0.0006
Rel Std Dev(%)	0.2877

Operator's Signature

DGS 0.08g/210L

0.077 to 0.083 ☑

HOMESTEAD PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006199
11/07/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:48
Control Test	0.082	10:48
Air Blank	0.000	10:49
Control Test	0.081	10:49
Air Blank	0.000	10:49
Control Test	0.081	10:50
Air Blank	0.000	10:50

Control Test Stats

Average	0.0813
Std Dev	0.0006
Rel Std Dev(%)	0.7099

Operator's Signature

HOMESTEAD PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006199
11/07/2016 09:46:05

Auto Calibration
Max Power Res Value = 80
Auto Range Res Value = 54

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12497, 9um Io = 12757

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1180	(-0.0220)
Sample #2 =	0.1060	(0.0140)
Sample #3 =	0.0710	(0.0410)
Sample #4 =	0.1110	(0.0330)

Avg % Abs = 0.0960 (0.0293)
STD DEV = 0.0218 (0.0139)
REL STD DEV = 22.703 (47.279)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1560	(-0.0030)
Sample #2 =	0.1820	(0.0130)
Sample #3 =	0.1980	(-0.0030)
Sample #4 =	0.1660	(0.0000)

Avg % Abs = 0.1820 (0.0033)
STD DEV = 0.0160 (0.0085)
REL STD DEV = 8.791 (255.147)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12489, 9um Io = 12757

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8100	(-0.0180)
Sample #2 =	0.7500	(0.0230)
Sample #3 =	0.7720	(0.0120)
Sample #4 =	0.7520	(0.0480)

Avg % Abs = 0.7580 (0.0277)
STD DEV = 0.0122 (0.0184)
REL STD DEV = 1.605 (66.680)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5030	(0.0020)
Sample #2 =	1.4830	(0.0000)
Sample #3 =	1.5240	(0.0040)
Sample #4 =	1.5130	(-0.0010)

Avg % Abs = 1.5067 (0.0010)
STD DEV = 0.0212 (0.0026)
REL STD DEV = 1.408 (264.575)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12483, 9um Io = 12754

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.8470	(-0.0210)
Sample #2 =	1.8530	(-0.0030)
Sample #3 =	1.8480	(0.0020)
Sample #4 =	1.8810	(0.0090)

Avg % Abs = 1.8607 (0.0027)
STD DEV = 0.0178 (0.0060)
REL STD DEV = 0.956 (226.039)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5560	(-0.0230)
Sample #2 =	3.5630	(-0.0270)
Sample #3 =	3.5080	(0.0010)
Sample #4 =	3.5530	(0.0030)

Avg % Abs = 3.5413 (-0.0077)
STD DEV = 0.0293 (0.0168)
REL STD DEV = 0.827 (218.778)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12479, 9um Io = 12754

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5250	(0.0080)
Sample #2 =	3.5360	(0.0290)
Sample #3 =	3.5510	(0.0310)
Sample #4 =	3.5770	(0.0370)

Avg % Abs = 3.5547 (0.0323)
STD DEV = 0.0207 (0.0042)
REL STD DEV = 0.584 (12.876)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.7370	(-0.0100)
Sample #2 =	6.7440	(0.0300)
Sample #3 =	6.7320	(0.0570)
Sample #4 =	6.7500	(0.0390)

Avg % Abs = 6.7420 (0.0420)
STD DEV = 0.0092 (0.0137)
REL STD DEV = 0.136 (32.733)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12475, 9um Io = 12751

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.7630	(-0.0060)
Sample #2 =	6.8080	(0.0210)
Sample #3 =	6.7610	(0.0280)
Sample #4 =	6.7960	(0.0140)

Avg % Abs = 6.7883 (0.0210)
STD DEV = 0.0244 (0.0070)
REL STD DEV = 0.360 (33.333)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	12.5000	(0.0100)
Sample #2 =	12.5850	(0.0120)
Sample #3 =	12.5130	(0.0420)
Sample #4 =	12.5590	(0.0200)

Avg % Abs = 12.5523 (0.0247)
STD DEV = 0.0365 (0.0155)
REL STD DEV = 0.290 (62.979)

Optical Calibration
SN: 80-006199
Agency: Homestead P.D.
Date: 11/07/2016
Quadratic Fit: +/-0.002g/210L
By:

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.096
Std Dev = 0.02 Rel Std Dev = 22.70
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.758
Std Dev = 0.01 Rel Std Dev = 1.60
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.861
Std Dev = 0.02 Rel Std Dev = 0.96
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.555
Std Dev = 0.02 Rel Std Dev = 0.58
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 6.788
Std Dev = 0.02 Rel Std Dev = 0.36
Zero Order Coef = -197.87
First Order Coef = 2628.35
Second Order Coef = 30.38
Standard Deviation = 56.896935

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.182
Std Dev = 0.02 Rel Std Dev = 8.79
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.507
Std Dev = 0.02 Rel Std Dev = 1.41
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.541
Std Dev = 0.03 Rel Std Dev = 0.83
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.742
Std Dev = 0.01 Rel Std Dev = 0.14
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 12.552
Std Dev = 0.04 Rel Std Dev = 0.29
Zero Order Coef = -207.43
First Order Coef = 1347.62
Second Order Coef = 14.80
Standard Deviation = 34.311481

Solution Stats Quadratic Fit Chan 1		
Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.001	-0.0011
0.040	0.038	0.0020
0.100	0.101	-0.0008
0.200	0.200	-0.0001
0.400	0.400	0.0001

Solution Stats Quadratic Fit Chan 2		
Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.001	-0.0008
0.040	0.039	0.0010
0.100	0.100	0.0002
0.200	0.201	-0.0006
0.400	0.400	0.0002

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3294.00
Sample #2 = 3299.00
Sample #3 = 3323.00
Sample #4 = 3368.00
Average Result = 3296.6667
STD DEV = 72.5282
REL STD DEV = 2.200
****
***** CHANNEL 2
Sample #1 = 3340.00
Sample #2 = 3296.00
Sample #3 = 3316.00
Sample #4 = 3316.00
Average Result = 3309.3333
STD DEV = 11.5470
REL STD DEV = 0.349
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1020
3 um H20 Adjust (mg/l*10,000) = 513
9 um H20 Adjust (mg/l*10,000) = 500
**** AUTO CAL PASS

BK

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Stabilities	80-006199	Homestead Police Department	11/07/2016	

0.05g/210L

0.047 to 0.053 ☑

HOMESTEAD PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006199
11/07/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:19
Control Test	0.049	08:19
Air Blank	0.000	08:20
Control Test	0.049	08:21
Air Blank	0.000	08:21
Control Test	0.048	08:22
Air Blank	0.000	08:22

Control Test Stats

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

DERR
Operator's Signature

0.08g/210L

0.077 to 0.083 ☑

HOMESTEAD PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006199
11/07/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:23
Control Test	0.080	08:24
Air Blank	0.000	08:25
Control Test	0.078	08:25
Air Blank	0.000	08:26
Control Test	0.078	08:26
Air Blank	0.000	08:27

Control Test Stats

Average	0.0787
Std Dev	0.0012
Rel Std Dev(%)	1.4678

Operator's Signature

0.20g/210L

0.194 to 0.206 ☑

HOMESTEAD PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006199
11/07/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:28
Control Test	0.198	08:29
Air Blank	0.000	08:29
Control Test	0.198	08:30
Air Blank	0.000	08:30
Control Test	0.198	08:31
Air Blank	0.000	08:32

Control Test Stats

Average	0.1980
Std Dev	0.0000
Rel Std Dev(%)	0.0000

Operator's Signature

DGS 0.08g/210L

0.077 to 0.083 ☒

HOMESTEAD PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006199
11/07/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:33
Control Test	0.082	08:33
Air Blank	0.000	08:34
Control Test	0.084	08:34
Air Blank	0.000	08:34
Control Test	0.084	08:35
Air Blank	0.000	08:35

Control Test Stats

Average	0.0833
Std Dev	0.0012
Rel Std Dev(%)	1.3856

Operator's Signature

Form
BK