FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Winter Haven S/N 80-001060

Date In 10/3/16 Date Out 10/7/16 ☑Ship ☐P/U ☐H/D ☐CMI ☐EE

RECEIVED OCT 10 2016 FDLE Alcohol Testing Program

Intake Performed By JS

- ☐ Registration
- ☒ Annual
- ☐ Return from CMI
- ☐ Return from Enforcement
- ☐ 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 KMS

- ☑ Breath Tube Screen
- ☑ Replace O-Rings
- ☑ Instrument Set Up Verified
- ☑ R-Value 216
- ☑ Flow Verification (L/s)

Flow Column # ATP102

32mm 0.156 (.139 - .169)
36mm 0.167 (.156 - .190)
53mm 0.234 (.228 - .278)
103mm 0.503 (.447 - .547)

- ☑ Barometric Pressure Check

Gauge ID # 28427

- ☑ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	SD1018	201507A 7/14/17
0.08	SD1011	201601F 1/26/18
0.20	SD1025	2016040 4/5/18
0.08 DGS	N/A	AG612405 5/3/18

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)

Maintenance Performed By

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

Suggested Service

Optical Bench Calibration Performed By KMS

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

Barometric Pressure Gauge 1008 ID # 26932

Simulator	Serial Number	Lot Number	Expiration
0.000	G4444	N/A	N/A
0.040	G2882	160101	2/2/18
0.100	G2078	160001	5/8/18
0.200	G2408	160103	6/14/18
0.400	G5358	160102	3/22/18
0.080 DGS	N/A	03415D80A1	3/5/17

- ☑ Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	SD1018	2015071	7/14/17
0.08	SD1011	2016011	1/26/18
0.20	SD1025	2016040	4/5/18
0.08 DGS	N/A	AG619605	7/14/18

Department Inspection Performed By KMS

- ☑ Barometric Pressure ID# 28427 — 1009 Gauge / 1007 Instrument

Mouth Alcohol Solution Lot # 2015-A

Acetone Stock Solution Lot # 2016-B

Simulator	Serial Number
0.00	SD1019
Interferent	SD1021
0.05	SD1018
0.08	SD1011
0.20	SD1025

Attachments

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

Notes: Optical bench calibration performed to bring values closer to nominals KMS QC SP

- ☑ **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
Quality Control Review

10/10/16
Date

Revised November 2012

Pre-Calibration Stability Checks #80-001060 Winter Haven P.D. 10/06/16 [initials]

[illegible]
Intoxilyzer - [illegible] Analyzer
Model 8000 SN 80-001060
10/06/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:41
Control Test	0.048	11:42
Air Blank	0.000	11:42
Control Test	0.049	11:43
Air Blank	0.000	11:43
Control Test	0.048	11:44
Air Blank	0.000	11:45*
Control Test Stats		
Average	0.0483	
Std Dev	[illegible]	
Rel Std Dev(%)	[illegible]	

[signature]
Operator's Signature

WINTER HAVEN PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001060
10/06/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:47
Control Test	0.078	11:48
Air Blank	0.000	11:48
Control Test	0.079	11:49
Air Blank	0.000	11:50
Control Test	0.079	11:50
Air Blank	0.000	11:51
Control Test Stats		
Average	0.0787	
Std Dev	0.0006	
Rel Std Dev(%)	0.7339	

[signature]
Operator's Signature

WINTER HAVEN PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001060
10/06/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:56
Control Test	0.193	11:57
Air Blank	0.000	11:57
Control Test	0.192	11:58
Air Blank	0.000	11:58
Control Test	0.194	11:59
Air Blank	0.000	12:00
Control Test Stats		
Average	0.1930	
Std Dev	0.0010	
Rel Std Dev(%)	0.5181	

Suspected issue w/ sig. Blester.

[signature]
Operator's Signature

WINTER HAVEN PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001060
10/06/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:10
Control Test	0.190 ~	12:10
Air Blank	0.000	12:11
Control Test	0.192	12:12
Air Blank	0.000	12:12
Control Test	0.192	12:13
Air Blank	0.000	12:13
Control Test Stats		
Average	0.1913	
Std Dev	0.0012	
Rel Std Dev(%)	0.6035	

[signature]
Operator's Signature

DGS

WINTER HAVEN PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001060
10/06/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:01
Control Test	0.079	12:01
Air Blank	0.000	12:02
Control Test	0.079	12:02
Air Blank	0.000	12:03
Control Test	0.079	12:03
Air Blank	0.000	12:04
Control Test Stats		
Average	0.0790	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

SP

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[signature]
Operator's Signature

Optical Bench Calibration Data #80-001060 Winter Haven P.D. 10/7/16 RMS

WINTER HAVEN PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001060
10/07/2016 09:02:10

Auto Calibration
Max Power Res Value = 21
Auto Range Res Value = 9

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12748, 9um Io = 14223

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0880	(-0.0100)
Sample #2 =	0.1030	(0.0060)
Sample #3 =	0.0940	(0.0020)
Sample #4 =	0.0950	(0.0140)

Avg % Abs = 0.0973 (0.0073)
STD DEV = 0.0049 (0.0061)
REL STD DEV = 5.068 (83.320)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0940	(-0.0150)
Sample #2 =	0.0910	(0.0000)
Sample #3 =	0.0940	(-0.0100)
Sample #4 =	0.0820	(-0.0030)

Avg % Abs = 0.0890 (-0.0043)
STD DEV = 0.0062 (0.0051)
REL STD DEV = 7.017 (118.422)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12740, 9um Io = 14222

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8080	(0.0000)
Sample #2 =	0.8060	(0.0100)
Sample #3 =	0.8190	(0.0330)
Sample #4 =	0.8090	(0.0230)

Avg % Abs = 0.8113 (0.0220)
STD DEV = 0.0068 (0.0115)
REL STD DEV = 0.839 (52.421)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5470	(-0.0040)
Sample #2 =	1.5230	(0.0090)
Sample #3 =	1.5390	(0.0250)
Sample #4 =	1.5160	(0.0250)

Avg % Abs = 1.5260 (0.0197)
STD DEV = 0.0118 (0.0092)
REL STD DEV = 0.773 (46.971)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12730, 9um Io = 14219

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.8870	(-0.0260)
Sample #2 =	1.8990	(-0.0060)
Sample #3 =	1.9090	(-0.0160)
Sample #4 =	1.8980	(-0.0130)

Avg % Abs = 1.9020 (-0.0117)
STD DEV = 0.0061 (0.0051)
REL STD DEV = 0.320 (43.985)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.7080	(-0.0070)
Sample #2 =	3.7140	(0.0060)
Sample #3 =	3.7230	(0.0040)
Sample #4 =	3.7080	(0.0000)

Avg % Abs = 3.7150 (0.0033)
STD DEV = 0.0075 (0.0031)
REL STD DEV = 0.203 (91.652)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12732, 9um Io = 14218

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6830	(-0.0160)
Sample #2 =	3.6840	(0.0010)
Sample #3 =	3.6770	(0.0320)
Sample #4 =	3.6760	(0.0150)

Avg % Abs = 3.6790 (0.0160)
STD DEV = 0.0044 (0.0155)
REL STD DEV = 0.118 (97.026)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	7.2120	(-0.0170)
Sample #2 =	7.1860	(0.0200)
Sample #3 =	7.1680	(0.0340)
Sample #4 =	7.1830	(0.0260)

Avg % Abs = 7.1790 (0.0267)
STD DEV = 0.0096 (0.0070)
REL STD DEV = 0.134 (26.339)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12730, 9um Io = 14218

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.9390	(-0.0110)
Sample #2 =	6.9230	(0.0540)
Sample #3 =	6.9270	(0.0420)
Sample #4 =	6.9480	(0.0430)

Avg % Abs = 6.9327 (0.0463)
STD DEV = 0.0134 (0.0067)
REL STD DEV = 0.194 (14.370)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	13.3780	(-0.0150)
Sample #2 =	13.3500	(0.0760)
Sample #3 =	13.3490	(0.0770)
Sample #4 =	13.3610	(0.0790)

Avg % Abs = 13.3533 (0.0773)
STD DEV = 0.0067 (0.0015)
REL STD DEV = 0.050 (1.975)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.097
Std Dev = 0.00 Rel Std Dev = 5.07
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.811
Std Dev = 0.01 Rel Std Dev = 0.84
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.902
Std Dev = 0.01 Rel Std Dev = 0.32
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.679
Std Dev = 0.00 Rel Std Dev = 0.12
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 6.933
Std Dev = 0.01 Rel Std Dev = 0.19
Zero Order Coef = -203.86
First Order Coef = 2521.01
Second Order Coef = 36.72
Standard Deviation = 41.095177

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.089
Std Dev = 0.01 Rel Std Dev = 7.02
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.526
Std Dev = 0.01 Rel Std Dev = 0.77
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.715
Std Dev = 0.01 Rel Std Dev = 0.20
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 7.179
Std Dev = 0.01 Rel Std Dev = 0.13
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 13.353
Std Dev = 0.01 Rel Std Dev = 0.05
Zero Order Coef = -65.96
First Order Coef = 1238.11
Second Order Coef = 14.42
Standard Deviation = 41.662834

Solution Stats Quadratic Fit Chan 1

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.001	-0.0009
0.040	0.039	0.0008
0.100	0.099	0.0008
0.200	0.201	-0.0009
0.400	0.400	0.0002

Solution Stats Quadratic Fit Chan 2

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.001	-0.0009
0.040	0.039	0.0010
0.100	0.099	0.0006
0.200	0.201	-0.0009
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 = 3206.00
Sample #2 = 3236.00
Sample #3 = 3234.00
Sample #4 = 3162.00
Average Result = 3210.6667
STD DEV = 42.1584
REL STD DEV = 1.313
****
***** CHANNEL 2
Sample #1 = 3411.00
Sample #2 = 3422.00
Sample #3 = 3441.00
Sample #4 = 3413.00
Average Result = 3425.3333
STD DEV = 14.2945
REL STD DEV = 0.417
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1007
3 um H20 Adjust (mg/l*10,000) = 599
9 um H20 Adjust (mg/l*10,000) = 384
**** AUTO CAL PASS

SP

BK

Post-Cal Stability Checks #80-001060 Winter Haven P.D. 10/7/16 DWB

WINTER HAVEN PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001060
10/07/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:03
Control Test	0.048	12:04
Air Blank	0.000	12:04
Control Test	0.050	12:05
Air Blank	0.000	12:05
Control Test	0.050	12:06
Air Blank	0.000	12:07
Control Test Stats		
Average	0.0493	
Std Dev	0.0012	
Rel Std Dev(%)	2.3486	

Operator's Signature

WINTER HAVEN PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001060
10/07/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:08
Control Test	0.077	12:08
Air Blank	0.000	12:09
Control Test	0.079	12:10
Air Blank	0.000	12:10
Control Test	0.080	12:11
Air Blank	0.000	12:11
Control Test Stats		
Average	0.0787	
Std Dev	0.0015	
Rel Std Dev(%)	1.9418	

Operator's Signature

WINTER HAVEN PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001060
10/07/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:13
Control Test	0.193	12:13
Air Blank	0.000	12:14
Control Test	0.196	12:15
Air Blank	0.000	12:15
Control Test	0.196	12:16
Air Blank	0.000	12:17
Control Test Stats		
Average	0.1950	
Std Dev	0.0017	
Rel Std Dev(%)	0.8882	

Retested - after checking simulator tubing DWB

Operator's Signature

WINTER HAVEN PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001060
10/07/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:22
Control Test	0.198	12:23
Air Blank	0.000	12:23
Control Test	0.198	12:24
Air Blank	0.000	12:24
Control Test	0.199	12:25
Air Blank	0.000	12:26
Control Test Stats		
Average	0.1983	
Std Dev	0.0006	
Rel Std Dev(%)	0.2911	

Operator's Signature

DGS

WINTER HAVEN PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001060
10/07/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:18
Control Test	0.080	12:19
Air Blank	0.000	12:19
Control Test	0.080	12:20
Air Blank	0.000	12:20
Control Test	0.080	12:21
Air Blank	0.000	12:21
Control Test Stats		
Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

SP BK

Operator's Signature