FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Miami Dade Police Department S/N 80-000884

Date In 2/9/2016 Date Out 2/9/2016 ☑Ship ☐P/U ☐H/D ☐CMI ☐EE

RECEIVED FEB 26 2016 FDLE Alcohol Testing Program

Intake Performed By DELL

- ☐ 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 DELL

- ☑ Breath Tube Screen
- ☑ Replace O-Rings
- ☑ Instrument Set Up Verified
- ☑ R-Value 192
- ☑ Flow Verification (L/s)

Flow Column # ATP 101

32mm	136	(.139 - .169)
36mm	156	(.156 - .190)
53mm	230	(.228 - .278)
103mm	511	(.447 - .547)

- ☑ Barometric Pressure Check

Gauge ID # 68639

- ☑ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	SD3967	201507A 07/14/2017
0.08	SD2968	2015026 02/24/2017
0.20	SD3969	2015105A 05/13/2017
0.08 DGS	N/A	AG507503 03/16/2017

Flow Calibration Performed By DELL

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

Flow Column # ATP 104

- ☑ 5L/min – 17mm
- ☑ 15L/min – 53mm
- ☑ 30L/min – 103mm
- ☑ R-Value 192
- ☑ Post Calibration Verification (L/s)

Flow Column # ATP 101

32mm	152	(.139 - .169)
36mm	167	(.156 - .190)
53mm	246	(.228 - .278)
103mm	511	(.447 - .547)

Maintenance Performed By

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

Suggested Service

Optical Bench Calibration Performed By DELL

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

Barometric Pressure Gauge 1018 ID # 28663

Simulator	Serial Number	Lot Number	Expiration
0.000	2235	N/A	N/A
0.040	2108	15108	08-18-2017
0.100	2237	15001	05-20-2017
0.200	2238	15104	05-27-2017
0.400	2239	15105	06-10-2017
0.080 DGS	N/A	03415080A1	03-05-2017

- ☑ Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	SD3967	2015074	07/14/2017
0.08	SD3968	2015026	02/24/2017
0.20	SD3969	2015105A	05/12/2017
0.08 DGS	N/A	AG507503	03/16/2017

Department Inspection Performed By DELL

- ☑ Barometric Pressure ID# 68639 — 1018 Gauge / 1017 Instrument

Mouth Alcohol Solution Lot # 2015-A

Acetone Stock Solution Lot # 2015-B

Simulator	Serial Number
0.00	SD3965
Interferent	SD3966
0.05	SD3967
0.08	SD3968
0.20	SD3969

Attachments

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

Notes: E-MAILED ☑ 2/9/2016 APPROVED

Recalibrated to bring values closer to nominal Barometric Pressure.

- ☑ **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**

Patrick Murphy
Quality Control Review

2/26/16
Date

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Post Stabilities	80-000884	Miami Dade Police Department	02/09/2016	

0.05g/210L

0.047 to 0.053 ☑

MIAMI-DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000884
02/09/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:52
Control Test	0.049	11:52
Air Blank	0.000	11:53
Control Test	0.050	11:54
Air Blank	0.000	11:54
Control Test	0.050	11:55
Air Blank	0.000	11:55

Control Test Stats

Average	0.0497
Std Dev	0.0006
Rel Std Dev(%)	1.1625

Operator's Signature

0.08g/210L

0.077 to 0.083 ☑

MIAMI-DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000884
02/09/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:57
Control Test	0.078	11:58
Air Blank	0.000	11:58
Control Test	0.079	11:59
Air Blank	0.000	12:00
Control Test	0.079	12:00
Air Blank	0.000	12:01

Control Test Stats

Average	0.0787
Std Dev	0.0006
Rel Std Dev(%)	0.7339

Operator's Signature

0.20g/210L

0.194 to 0.206 ☑

MIAMI-DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000884
02/09/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:02
Control Test	0.201	12:03
Air Blank	0.000	12:04
Control Test	0.201	12:04
Air Blank	0.000	12:05
Control Test	0.201	12:06
Air Blank	0.000	12:06

Control Test Stats

Average	0.2010
Std Dev	0.0000
Rel Std Dev(%)	0.0000

Operator's Signature

DGS 0.08g/210L

0.077 to 0.083 ☑

MIAMI-DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000884
02/09/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:08
Control Test	0.080	12:08
Air Blank	0.000	12:09
Control Test	0.080	12:09
Air Blank	0.000	12:09
Control Test	0.080	12:10
Air Blank	0.000	12:10

Control Test Stats

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

BK

Operator's Signature

IAMI-DADE PD
ntoxilyzer - Alcohol Analyzer
odel 8000 SN 80-000884
2/09/2016 10:51:27

uto Calibration
ax Power Res Value = 47
uto Range Res Value = 26

ol Value = 0.000 g/210L ***
it value = 0.0000 mg/l %%%%
amples Taken = 4, Discarded = 1
um Io = 12272, 9um Io = 14227

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

Sample	% Abs	(% Abs Ref)
ample #1 =	0.0780	(-0.0050)
ample #2 =	0.1050	(0.0170)
ample #3 =	0.0670	(0.0630)
ample #4 =	0.0740	(0.0720)

vg % Abs = 0.0820 (0.0507)
TD DEV = 0.0202 (0.0295)
EL STD DEV = 24.663 (58.226)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0920	(-0.0060)
Sample #2 =	0.1120	(0.0000)
Sample #3 =	0.0930	(0.0070)
Sample #4 =	0.1090	(0.0030)

Avg % Abs = 0.1047 (0.0033)
STD DEV = 0.0102 (0.0035)
REL STD DEV = 9.759 (105.357)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
Sum Io = 12255, 9um Io = 14221

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7500	(-0.0080)
Sample #2 =	0.7550	(0.0200)
Sample #3 =	0.7740	(0.0170)
Sample #4 =	0.7540	(0.0370)

Avg % Abs = 0.7610 (0.0247)
STD DEV = 0.0113 (0.0198)
REL STD DEV = 1.481 (43.726)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4950	(0.0110)
Sample #2 =	1.4980	(0.0130)
Sample #3 =	1.5070	(0.0080)
Sample #4 =	1.4880	(0.0110)

Avg % Abs = 1.4977 (0.0107)
STD DEV = 0.0095 (0.0025)
REL STD DEV = 0.635 (23.593)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
Sum Io = 12251, 9um Io = 14218

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.8060	(-0.0110)
Sample #2 =	1.8150	(0.0050)
Sample #3 =	1.8310	(-0.0010)
Sample #4 =	1.8070	(0.0370)

Avg % Abs = 1.8177 (0.0137)
STD DEV = 0.0122 (0.0204)
REL STD DEV = 0.672 (149.479)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6320	(-0.0030)
Sample #2 =	3.6310	(0.0070)
Sample #3 =	3.6110	(0.0200)
Sample #4 =	3.6250	(0.0180)

Avg % Abs = 3.6223 (0.0150)
STD DEV = 0.0103 (0.0070)
REL STD DEV = 0.283 (46.667)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
Sum Io = 12248, 9um Io = 14219

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5270	(-0.0090)
Sample #2 =	3.5140	(0.0210)
Sample #3 =	3.4820	(0.0450)
Sample #4 =	3.4620	(0.0480)

Avg % Abs = 3.4860 (0.0380)
STD DEV = 0.0262 (0.0148)
REL STD DEV = 0.752 (38.944)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	7.0070	(-0.0010)
Sample #2 =	6.9520	(0.0540)
Sample #3 =	6.9020	(0.0740)
Sample #4 =	6.8860	(0.0830)

Avg % Abs = 6.9133 (0.0703)
STD DEV = 0.0344 (0.0148)
REL STD DEV = 0.498 (21.105)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
Sum Io = 12245, 9um Io = 14216

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	-0.0080	(-0.0080)
Sample #2 =	-0.0040	(-0.0200)
Sample #3 =	-0.0160	(-0.0240)
Sample #4 =	0.0040	(-0.0440)

Avg % Abs = -0.0053 (-0.0293)
STD DEV = 0.0101 (0.0129)
REL STD DEV = 188.746 (43.835)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	-0.0070	(0.0000)
Sample #2 =	-0.0240	(-0.0100)
Sample #3 =	-0.0320	(-0.0120)
Sample #4 =	-0.0070	(-0.0210)

Avg % Abs = -0.0303 (-0.0143)
STD DEV = 0.0059 (0.0059)
REL STD DEV = 1757.842 (40.880)

Optical Calibration
SN: 80-000884
Agency: Miami Dade P.D.
Date: 02/09/2016
Quadratic Fit: +/-0.002g/210L
By:

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
Sum Io = 12256, 9um Io = 14217

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.6790	(-0.0050)
Sample #2 =	6.6830	(0.0430)
Sample #3 =	6.6250	(0.0820)
Sample #4 =	6.6340	(0.0920)

Avg % Abs = 6.6457 (0.0723)
STD DEV = 0.0331 (0.0259)
REL STD DEV = 0.498 (35.794)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	13.0020	(-0.0090)
Sample #2 =	12.9820	(0.1070)
Sample #3 =	12.8730	(0.1550)
Sample #4 =	12.9280	(0.1680)

Avg % Abs = 12.9293 (0.1433)
STD DEV = 0.0520 (0.0321)
REL STD DEV = 0.402 (22.416)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.082
Std Dev = 0.02 Rel Std Dev = 24.66
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.761
Std Dev = 0.01 Rel Std Dev = 1.48
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.818
Std Dev = 0.01 Rel Std Dev = 0.67
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.486
Std Dev = 0.03 Rel Std Dev = 0.75
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 6.646
Std Dev = 0.03 Rel Std Dev = 0.59
Zero Order Coef = -192.39
First Order Coef = 2672.10
Second Order Coef = 33.51
Standard Deviation = 26.956455

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.105
Std Dev = 0.01 Rel Std Dev = 9.76
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.498
Std Dev = 0.01 Rel Std Dev = 0.63
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.622
Std Dev = 0.01 Rel Std Dev = 0.28
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.913
Std Dev = 0.03 Rel Std Dev = 0.50
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 12.929
Std Dev = 0.05 Rel Std Dev = 0.40
Zero Order Coef = -109.10
First Order Coef = 1295.00
Second Order Coef = 14.41
Standard Deviation = 25.725883

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.001	-0.0006
0.040	0.039	0.0009
0.100	0.100	-0.0003
0.200	0.200	-0.0001
0.400	0.400	0.0006

Solution Stats Quadratic Fit Chan 2

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.001	-0.0006
0.040	0.039	0.0009
0.100	0.100	-0.0002
0.200	0.200	-0.0002
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 = 3218.00
Sample #2 = 3230.00
Sample #3 = 3243.00
Sample #4 = 3190.00
Average Result = 3221.0000
STD DEV = 27.6225
REL STD DEV = 0.858
****
***** CHANNEL 2
Sample #1 = 3411.00
Sample #2 = 3429.00
Sample #3 = 3442.00
Sample #4 = 3437.00
Average Result = 3436.0000
STD DEV = 6.5574
REL STD DEV = 0.191
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1017
3 um H20 Adjust (mg/l*10,000) = 588
9 um H20 Adjust (mg/l*10,000) = 373
**** AUTO CAL PASS

BK

Optical Calibration Cont
SN: 80-000884
Agency: Miami Dade P.D.
Date: 02/09/2016
Quadratic Fit: +/-0.002g/210L
By:

Simulator .400 was not sealed properly.
Resealed and ran the test again.

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Stabilities	80-000884	Miami Dade Police Department	02/09/2016	DRH

BK

GDM

0.05g/210L	0.08g/210L	0.20g/210L	DGS 0.08g/210L
0.047 to 0.053 ☑	0.077 to 0.083 ☑	0.194 to 0.206 ☑	0.077 to 0.083 ☑

MIAMI-DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000884
02/09/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:18
Control Test	0.051	09:19
Air Blank	0.000	09:19
Control Test	0.050	09:20
Air Blank	0.000	09:20
Control Test	0.053	09:21
Air Blank	0.000	09:22

Control Test Stats

Average	0.0503
Std Dev	0.0006
Rel Std Dev(%)	1.1471

Operator's Signature

MIAMI-DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000884
02/09/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:23
Control Test	0.081	09:24
Air Blank	0.000	09:24
Control Test	0.081	09:25
Air Blank	0.000	09:26
Control Test	0.081	09:26
Air Blank	0.000	09:27

Control Test Stats

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

Operator's Signature

MIAMI-DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000884
02/09/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:28
Control Test	0.205	09:29
Air Blank	0.000	09:30
Control Test	0.206	09:30
Air Blank	0.000	09:31
Control Test	0.205	09:32
Air Blank	0.000	09:32

Control Test Stats

Average	0.2053
Std Dev	0.0006
Rel Std Dev(%)	0.2812

Operator's Signature

MIAMI-DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000884
02/09/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:34
Control Test	0.082	09:34
Air Blank	0.000	09:35
Control Test	0.082	09:35
Air Blank	0.000	09:36
Control Test	0.082	09:36
Air Blank	0.000	09:36

Control Test Stats

Average	0.0820
Std Dev	0.0000
Rel Std Dev(%)	0.0000

Operator's Signature

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Flow calibration	80-000884	Miami Dade Police Department	2/9/2016	

MIAMI-DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000884
02/09/2016
Software: 8100.27

Flow Rate Calibration********
1: Rate (Liters/min) = 5
SQRT(Diff)) = 6.781
2: Rate (Liters/min) = 15
SQRT(Diff)) = 11.746
3: Rate (Liters/min) = 30
SQRT(Diff)) = 20.637
Dependent Data Scale Factor = 100000 L/min
Independent Data Scale Factor = 256
Rounded Slope = 699
Rounded Intercept = -572787
Correlation = 0.99889