FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Miami Beach Police Department S/N 80-002232

Date In 9/7/2016 Date Out DEAR 9/14/2016 ☑ Ship ☐ P/U ☐ H/D ☐ CMI ☐ EE

RECEIVED SEP 23 2016 FDLE Alcohol Testing Program

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 232
- ☑ Flow Verification (L/s)
  - Flow Column # ATP 101
  - 32mm 148 (.139 - .169)
  - 36mm 164 (.156 - .190)
  - 53mm 234 (.228 - .278)
  - 103mm 496 (.447 - .547)
- ☑ Barometric Pressure Check
  - Gauge ID # 28663
- ☑ Stability Checks

Simulator	Serial #	Lot #/Exp
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

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 DERR

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

Barometric Pressure Gauge 1016 ID # 28663

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	07/04/2017
0.08	SD3968	201601F	01/26/2018
0.20	SD3963	201505A	05/12/2017
0.08 DGS	N/A	A6600504	01/05/2018

Department Inspection Performed By DERR

- ☑ Barometric Pressure ID# 28199-28199
  - 1016 - 1016 Gauge
  - 1011 - 1016 Instrument

Mouth Alcohol Solution Lot # 2016-A

Acetone Stock Solution Lot # 2016-B

Simulator	Serial Number
0.00	SD 3965 - SD 3965
Interferent	SD 3966 - SD 3966
0.05	SD 3967 - SD 3967
0.08	SD 3968 - SD 3968
0.20	SD 3969 - SD 3963

Attachments

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

Notes: E-MAILED 9/14/2016 ✓ APPROVED

Recalibrated to bring values closer to nominal
AA/QC OK DERR 9/26/16

- ☑ **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**

T Brett Kirkland
Quality Control Review

9/23/16
Date

Revised November 2012

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Post Stabilities	80-002232	Miami Beach Police Department	9/14/2016	

0.05g/210L

0.047 to 0.053 ☑

MIAMI BEACH PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-002232
09/14/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:55
Control Test	0.051	08:55
Air Blank	0.000	08:56
Control Test	0.051	08:56
Air Blank	0.000	08:57
Control Test	0.051	08:58
Air Blank	0.000	08:58

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 ☑

MIAMI BEACH PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-002232
09/14/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:59
Control Test	0.080	09:00
Air Blank	0.000	09:00
Control Test	0.080	09:01
Air Blank	0.000	09:02
Control Test	0.080	09:02
Air Blank	0.000	09:03

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 ☑

MIAMI BEACH PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-002232
09/14/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:04
Control Test	0.202	09:05
Air Blank	0.000	09:05
Control Test	0.202	09:06
Air Blank	0.000	09:06
Control Test	0.202	09:07
Air Blank	0.000	09:07

Control Test Stats

Average	0.2020
Std Dev	0.0000
Rel Std Dev(%)	0.0000

Operator's Signature

DGS 0.08g/210L

0.077 to 0.083 ☑

MIAMI BEACH PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-002232
09/14/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:10
Control Test	0.080	09:10
Air Blank	0.000	09:11
Control Test	0.080	09:11
Air Blank	0.000	09:11
Control Test	0.080	09:12
Air Blank	0.000	09:12

Control Test Stats

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

Operator's Signature

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Stabilities	80-002232	Miami Beach Police Department	9/8/2016	DEGR

0.05g/210L

0.047 to 0.053 ☑

MIAMI BEACH PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-002232
09/08/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:11
Control Test	0.051	08:11
Air Blank	0.000	08:12
Control Test	0.051	08:13
Air Blank	0.000	08:13
Control Test	0.051	08:14
Air Blank	0.000	08:14

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 ☑

MIAMI BEACH PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-002232
09/08/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:15
Control Test	0.082	08:16
Air Blank	0.000	08:17
Control Test	0.082	08:17
Air Blank	0.000	08:18
Control Test	0.082	08:19
Air Blank	0.000	08:19

Control Test Stats

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

Operator's Signature

0.20g/210L

0.194 to 0.206 ☑

MIAMI BEACH PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-002232
09/08/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:21
Control Test	0.204	08:22
Air Blank	0.000	08:22
Control Test	0.205	08:23
Air Blank	0.000	08:23
Control Test	0.206	08:24
Air Blank	0.000	08:25

Control Test Stats

Average	0.2050
Std Dev	0.0010
Rel Std Dev(%)	0.4878

Operator's Signature

DGS 0.08g/210L

0.077 to 0.083 ☑

MIAMI BEACH PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-002232
09/08/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:27
Control Test	0.081	08:27
Air Blank	0.000	08:28
Control Test	0.084	08:28
Air Blank	0.000	08:29
Control Test	0.081	08:29
Air Blank	0.000	08:30

Control Test Stats

Average	0.0820
Std Dev	0.0017
Rel Std Dev(%)	2.1123

Operator's Signature

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MIAMI BEACH PD
Intoxilyzer - Alcohol Analyzer
Model 8000                    SN 80-002232
09/14/2016                       08:08:46

Auto Calibration
Max Power Res Value = 32
Auto Range Res Value = 15

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l  %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12794, 9um Io = 13590
     <<<<< CHANNEL 1 >>>>>
 Sample      % Abs     (% Abs Ref)
Sample #1 =  0.0260     (-0.0240)
Sample #2 =  0.0440     (0.0020)
Sample #3 =  0.0210     (0.0300)
Sample #4 =  0.0260     (0.0590)
Avg % Abs = 0.0303  (0.0303)
STD DEV =  0.0121  (0.0285)
REL STD DEV = 39.880  (93.961)
-------------------

     <<<<< CHANNEL 2 >>>>>
 Sample      % Abs     (% Abs Ref)
Sample #1 = -0.0090     (-0.0390)
Sample #2 =  0.0200     (-0.0420)
Sample #3 =  0.0100     (-0.0290)
Sample #4 =  0.0210     (-0.0090)
Avg % Abs = 0.0170  (-0.0267)
STD DEV =  0.0061  (0.0166)
REL STD DEV = 35.781  (62.337)
-------------------

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l  %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12780, 9um Io = 13588
     <<<<< CHANNEL 1 >>>>>
 Sample      % Abs     (% Abs Ref)
Sample #1 =  0.7740     (-0.0230)
Sample #2 =  0.7710     (0.0030)
Sample #3 =  0.7690     (0.0380)
Sample #4 =  0.7750     (0.0380)
Avg % Abs = 0.7717  (0.0263)
STD DEV =  0.0031  (0.0202)
REL STD DEV = 0.396  (76.736)
-------------------

     <<<<< CHANNEL 2 >>>>>
 Sample      % Abs     (% Abs Ref)
Sample #1 =  1.4840     (-0.0110)
Sample #2 =  1.5200     (-0.0170)
Sample #3 =  1.5170     (-0.0090)
Sample #4 =  1.5190     (-0.0140)
Avg % Abs = 1.5187  (-0.0133)
STD DEV =  0.0015  (0.0040)
REL STD DEV = 0.101  (30.311)
-------------------

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l  %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12771, 9um Io = 13588
     <<<<< CHANNEL 1 >>>>>
 Sample      % Abs     (% Abs Ref)
Sample #1 =  1.8730     (-0.0100)
Sample #2 =  1.8610     (0.0020)
Sample #3 =  1.8470     (0.0240)
Sample #4 =  1.8559     (0.0520)
Avg % Abs = 1.8543  (0.0260)
STD DEV =  0.0070  (0.0251)
REL STD DEV = 0.379  (96.384)
-------------------

     <<<<< CHANNEL 2 >>>>>
 Sample      % Abs     (% Abs Ref)
Sample #1 =  3.6620     (0.0190)
Sample #2 =  3.6890     (0.0000)
Sample #3 =  3.6690     (0.0250)
Sample #4 =  3.6640     (0.0370)
Avg % Abs = 3.6740  (0.0207)
STD DEV =  0.0132  (0.0189)
REL STD DEV = 0.360  (91.339)
-------------------

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l  %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12763, 9um Io = 13582
     <<<<< CHANNEL 1 >>>>>
 Sample      % Abs     (% Abs Ref)
Sample #1 =  3.5300     (-0.0200)
Sample #2 =  3.5060     (0.0080)
Sample #3 =  3.5190     (0.0140)
Sample #4 =  3.5080     (0.0330)
Avg % Abs = 3.5110  (0.0183)
STD DEV =  0.0070  (0.0131)
REL STD DEV = 0.199  (71.188)
-------------------

     <<<<< CHANNEL 2 >>>>>
 Sample      % Abs     (% Abs Ref)
Sample #1 =  6.9130     (0.0000)
Sample #2 =  6.9300     (0.0000)
Sample #3 =  6.9430     (-0.0080)
Sample #4 =  6.9250     (0.0200)
Avg % Abs = 6.9327  (0.0040)
STD DEV =  0.0093  (0.0144)
REL STD DEV = 0.134  (360.555)
-------------------

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l  %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12759, 9um Io = 13581
     <<<<< CHANNEL 1 >>>>>
 Sample      % Abs     (% Abs Ref)
Sample #1 =  6.6830     (0.0020)
Sample #2 =  6.6720     (0.0360)
Sample #3 =  6.6790     (0.0290)
Sample #4 =  6.6960     (0.0440)
Avg % Abs = 6.6823  (0.0363)
STD DEV =  0.0123  (0.0075)
REL STD DEV = 0.185  (20.657)
-------------------

     <<<<< CHANNEL 2 >>>>>
 Sample      % Abs     (% Abs Ref)
Sample #1 = 12.9160     (0.0010)
Sample #2 = 12.9110     (0.0230)
Sample #3 = 12.9340     (0.0220)
Sample #4 = 12.9360     (0.0250)
Avg % Abs = 12.9270  (0.0233)
STD DEV =  0.0139  (0.0015)
REL STD DEV = 0.107  (6.547)
-------------------
```

Optical Calibration
SN: 80-002232
Agency: Miami Beach PD
Date: 09/14/2016
Quadratic Fit: +/-0.002g/210L
By:

```
     ***** AUTO CAL DATA *****
     <<<<< CHANNEL 1 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
 % Abs =    0.030
 Std Dev =   0.01 Rel Std Dev =  39.88
Sol Val = 0.1905 mg/l or 0.040 g/210L
 % Abs =    0.772
 Std Dev =   0.00 Rel Std Dev =   0.40
Sol Val = 0.4762 mg/l or 0.100 g/210L
 % Abs =    1.854
 Std Dev =   0.01 Rel Std Dev =   0.38
Sol Val = 0.9524 mg/l or 0.200 g/210L
 % Abs =    3.511
 Std Dev =   0.01 Rel Std Dev =   0.20
Sol Val = 1.9048 mg/l or 0.400 g/210L
 % Abs =    6.682
 Std Dev =   0.01 Rel Std Dev =   0.18
Zero Order Coef = -102.04
First Order Coef = 2573.31
Second Order Coef =  43.95
Standard Deviation =  40.519154
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     <<<<< CHANNEL 2 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
 % Abs =    0.017
 Std Dev =   0.01 Rel Std Dev =  35.78
Sol Val = 0.1905 mg/l or 0.040 g/210L
 % Abs =    1.519
 Std Dev =   0.00 Rel Std Dev =   0.10
Sol Val = 0.4762 mg/l or 0.100 g/210L
 % Abs =    3.674
 Std Dev =   0.01 Rel Std Dev =   0.36
Sol Val = 0.9524 mg/l or 0.200 g/210L
 % Abs =    6.933
 Std Dev =   0.01 Rel Std Dev =   0.13
Sol Val = 1.9048 mg/l or 0.400 g/210L
 % Abs =   12.927
 Std Dev =   0.01 Rel Std Dev =   0.11
Zero Order Coef = -37.79
First Order Coef = 1254.95
Second Order Coef =  17.17
Standard Deviation =  29.421921
-------------------
```

Solution Stats Quadratic Fit Chan 1		
Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	-0.001	0.0005
0.040	0.040	-0.0001
0.100	0.101	-0.0012
0.200	0.199	0.0010
0.400	0.400	-0.0002

Solution Stats Quadratic Fit Chan 2		
Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	-0.000	0.0003
0.040	0.040	-0.0001
0.100	0.101	-0.0009
0.200	0.199	0.0008
0.400	0.400	-0.0001

```
Sol Value = 0.000 g/210L ***
Fit value = 0.3810 mg/l  %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 =  3350.00
Sample #2 =  3235.00
Sample #3 =  3265.00
Sample #4 =  3333.00
Average Result = 3277.6667
STD DEV = 50.2129
REL STD DEV = 1.532
**********
***** CHANNEL 2
Sample #1 =  3457.00
Sample #2 =  3440.00
Sample #3 =  3466.00
Sample #4 =  3469.00
Average Result = 3458.3333
STD DEV = 15.9478
REL STD DEV = 0.461
**********
Dry Gas H20 Adjust Results **********
  Barometric Pressure = 1016
  3 um H20 Adjust (mg/l*10,000) = 532
  9 um H20 Adjust (mg/l*10,000) = 351
**** AUTO CAL PASS
```