FDLE

Florida Department of Law Enforcement

INSTRUMENT PROCESSING SHEET

Agency Miami-Dade Police Department S/N 80-005551

Date In 09/17/2018 DI Completion Date 9/19/2018 ☑Ship ☐P/U ☐H/D ☐CMI ☐EE

Intake Performed By DCLL

☑ Annual
☐ Registration
☐ Return from CMI / EE

Visual Inspection:
☑ Case ☑ Handle
☑ Keyboard ☑ Dry Gas Shelf
☑ Feet ☑ Breath Tube
☑ Ports ☑ Screws Tight

Other Equipment/ Accessories:
☐ Power cord ☐ Printer Cable
☑ Static Bag ☐ 12V DC Cable

Notes: Evaluating Small Knot on Top Instrument Case.

Quality Checks Performed By DCLL

☑ Breath Tube Screen
☑ Replace External O-Rings
☑ Instrument Set Up Verified
☑ R-Value 141
☑ Flow Verification (L/s)
Flow Column # ATP 101
32 mm .160 (.139 - .169)
36 mm .179 (.156 - .190)
53 mm .246 (.228 - .278)
103 mm .511 (.447 - .547)
☑ Barometric Pressure Check
Gauge ID # 28199
☑ Stability Checks

Simulator	Serial #	Lot #/Exp
0.050	SD3967	201707D 07/25/2019
0.080	SD3968	201707E 07/25/2019
0.200	SD3969	201707C 07/24/2019
0.080 DGS	N/A	AG805701 02/26/2020

Flow Calibration Performed By

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

Maintenance Performed By

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

Temperature Checks Performed By DCLL

☑ Lab Temp °C 22.11C
External Digital Therm. ID#: 300949
☑ 34°C +-.2 Serial #: SD3967
☑ 34°C +-.2 Serial #: SD3968
☑ 34°C +-.2 Serial #: SD3969

Final Release Date

FDLE

OCT 01 2018

Alcohol Testing Program

Calibration Adjustment Performed By DCLL

Barometric Pressure Gauge 1015/1015 ID # 28663

Simulator	Serial Number	Lot Number	Expiration
0.000	2235	N/A	N/A
0.040	2237	17410	12/06/2019
0.100	2238	18070	02/26/2020
0.200	2239	17340	10/09/2019
0.300	2108	18110	04/02/2020
0.080 DGS	N/A	34416080A2	02/05/2019

☑ Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.050	SD3967	201707D	07/25/2019
0.080	SD3968	201707E	07/25/2019
0.200	SD3969	201707C	07/24/2019
0.080 DGS	N/A	AG805701	02/26/2020

Department Inspection Performed By DCLL

Barometric Pressure ID# 68639
Gauge 1013 Instrument 1012
Mouth Alcohol Solution Lot # 2017-B
Acetone Stock Solution Lot # 2018-A

Simulator	Serial Number
0.000	SD3965
Interferent	SD3966
0.050	SD3967
0.080	SD3968
0.200	SD3969

Attachments

☑ Form 41
☑ Stability Checks
☑ Calibration Certificate
☑ Calibration Adjustment
☑ Post-Stability Checks
☐ Flow Calibration
☐ Form 40
☐ Other

Notes/Suggested Service: E-mailed ☑ APPROVED
Calibration adjustment to bring values closer to nominal

☑ **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**

Ryan 10/1/18 — Tech Review / Date
[illegible] 10/1/18 — Admin Review / Date

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: MIAMI DADE PD
Serial Number: 80-005551
Time of Inspection: 10:44
Date of Inspection: 09/19/2018
Software: 8100.27

Check or Test	YES	NO	Check or Test	YES	NO
Diagnostic Check (Pre-Inspection): OK	Yes		Date and/or Time Adjusted		No
Minimum Sample Volume Check: OK	Yes		Barometric Pressure Sensor Check: OK	Yes	
Alcohol Free Subject Test: 0.000	Yes		Mouth Alcohol Test: Slope Not Met	Yes	
Interferent Detect Test: Interferent Detect	Yes		Diagnostic Check (Post-Inspection): OK	Yes	

Alcohol Free Test (g/210L)	0.05g/210L Test (g/210L) Lot#:201707D Exp: 07/25/2019	0.08g/210L Test (g/210L) Lot#:201707E Exp: 07/25/2019	0.20g/210L Test (g/210L) Lot#:201707C Exp: 07/24/2019	0.08 g/210L Dry Gas Std Test (g/210L) Lot#:AG805701 Exp: 02/26/2020
0.000	0.050	0.081	0.205	0.078
0.000	0.050	0.082	0.205	0.078
0.000	0.050	0.082	0.205	0.078
0.000	0.051	0.082	0.206	0.078
0.000	0.051	0.083	0.206	0.078
0.000	0.051	0.083	0.205	0.078
0.000	0.052	0.083	0.206	0.078
0.000	0.051	0.084	0.206	0.078
0.000	0.051	0.084	0.206	0.078
0.000	0.051	0.084	0.206	0.078

Standard Deviations	0.0006	0.0010	0.0005	0.0000

Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0005 Number of Simulators Used: 5

Pam

Remarks:

The above instrument complies (X) does not comply ( ) with Chapter 11D-8, FAC.

I certify that I performed this inspection in accordance with the provisions of Chapter 11D-8, FAC.

David Eduardo Reyes Rivera — DAVID E REYES-RIVERA

Signature and Printed Name

09/19/2018

Date

10/1/18

FDLE/ATP Form 41 –Revised August 2005

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Stabilities	80-005551	Miami-Dade Police Department	09/18/2018	Dell

0.05g/210L

SN: SD3967 Temp: 34.07c

0.047 to 0.053 ☑

MIAMI DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005551
09/18/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	06:40
Control Test	0.051	06:41
Air Blank	0.000	06:42
Control Test	0.051	06:42
Air Blank	0.000	06:43
Control Test	0.051	06:44
Air Blank	0.000	06:44

Control Test Stats

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

Dell
Operator's Signature

9/18/18

0.08g/210L

SN: SD3968 Temp: 34.08c

0.077 to 0.083 ☑

MIAMI DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005551
09/18/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	06:46
Control Test	0.083	06:46
Air Blank	0.000	06:47
Control Test	0.083	06:48
Air Blank	0.000	06:48
Control Test	0.082	06:49
Air Blank	0.000	06:50

Control Test Stats

Average	0.0827
Std Dev	0.0006
Rel Std Dev(%)	0.6984

Dell
Operator's Signature

0.20g/210L

SN: SD3969 Temp:34.08c

0.194 to 0.206 ☑

MIAMI DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005551
09/18/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	06:51
Control Test	0.203	06:52
Air Blank	0.000	06:52
Control Test	0.202	06:53
Air Blank	0.000	06:54
Control Test	0.202	06:54
Air Blank	0.000	06:55

Control Test Stats

Average	0.2023
Std Dev	0.0006
Rel Std Dev(%)	0.2853

Dell
Operator's Signature

DGS 0.08g/210L

Lot AG805701

0.077 to 0.083 ☒

MIAMI DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005551
09/18/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	06:56
Control Test	0.077	06:56
Air Blank	0.000	06:57
Control Test	0.078	06:57
Air Blank	0.000	06:58
Control Test	0.077	06:58
Air Blank	0.000	06:59

Control Test Stats

Average	0.0773
Std Dev	0.0006
Rel Std Dev(%)	0.7466

Dell
Operator's Signature

PGM

Calibration Certificate

Florida Department of Law Enforcement
Alcohol Testing Program
4700 Terminal Drive, Suite 1
Ft. Myers, FL 33907

This is to certify the calibration of Intoxilyzer 8000 serial number 80-005551 , manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	80-005551	UNCERTAINTY* ±	
Owning Agency:	MIAMI DADE PD	0.050 g/ 210 L	0.004
Calibration Date:	09/19/2018	0.080 g/ 210 L	0.005
Calibration Time:	10:44	0.200 g/ 210 L	0.008
		0.080 g/ 210 L Dry Gas Control	0.005

All results are reported in g/ 210 L.
Bias is limited by calibration acceptance criteria. All calibration results must be within ± 0.005 or 5%, whichever is greater, of the target alcohol concentration.
*Uncertainty is based on fleet-wide data and is expressed to a 99.73% level of confidence (k=3).

TRACEABILITY INFORMATION
This instrument was calibrated using solutions prepared by Alcohol Countermeasure Systems, Inc. (ACS). ACS prepared and certified these CRMs in accordance with ISO 17034 and ISO/ IEC 17025 Standards.

Simulator temperatures are traceable to NIST. Thermometer temperatures are checked with NIST traceable Eutechnics 4400 digital thermometers calibrated by Precision Metrology in accordance with ISO/ IEC 17025 standards.

Dry gas control measurements are traceable to NIST through the uses of CRMs supplied by an accredited CRM supplier. The supplier of dry gas standard controls prepared and certified the CRMs in accordance with ISO Guide 34 and ISO/ IEC 17025 standards.

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09/19/2018
Date

DAVID E REYES-RIVERA,
Department Inspector

```
MIAMI DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000                    SN 80-005551
09/18/2018                        10:01:46

Auto Calibration
Max Power Res Value = 87
Auto Range Res Value = 45

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l  %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12487, 9um Io = 13997
    <<<<< CHANNEL 1 >>>>>
 Sample       % Abs      (% Abs Ref)
Sample #1 =  0.0530     (0.0160)
Sample #2 =  0.0170     (0.0470)
Sample #3 =  0.0620     (0.0500)
Sample #4 =  0.0200     (0.0920)
Avg % Abs = 0.0330  (0.0630)
STD DEV =  0.0252  (0.0252)
REL STD DEV = 76.241  (39.936)
-------------------

    <<<<< CHANNEL 2 >>>>>
 Sample       % Abs      (% Abs Ref)
Sample #1 =  0.0850     (0.0040)
Sample #2 =  0.0880     (-0.0030)
Sample #3 =  0.1070     (-0.0030)
Sample #4 =  0.0700     (0.0220)
Avg % Abs = 0.0883  (0.0053)
STD DEV =  0.0185  (0.0144)
REL STD DEV = 20.946  (270.633)
-------------------

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l  %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12474, 9um Io = 13997
    <<<<< CHANNEL 1 >>>>>
 Sample       % Abs      (% Abs Ref)
Sample #1 =  0.7680     (-0.0050)
Sample #2 =  0.7180     (0.0430)
Sample #3 =  0.7440     (0.0650)
Sample #4 =  0.7210     (0.0720)
Avg % Abs = 0.7277  (0.0600)
STD DEV =  0.0142  (0.0151)
REL STD DEV = 1.955  (25.221)
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    <<<<< CHANNEL 2 >>>>>
 Sample       % Abs      (% Abs Ref)
Sample #1 =  1.4850     (0.0000)
Sample #2 =  1.4550     (0.0490)
Sample #3 =  1.4460     (0.0540)
Sample #4 =  1.4360     (0.0640)
Avg % Abs = 1.4457  (0.0557)
STD DEV =  0.0095  (0.0076)
REL STD DEV = 0.657  (13.720)
-------------------

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l  %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12463, 9um Io = 13988
    <<<<< CHANNEL 1 >>>>>
 Sample       % Abs      (% Abs Ref)
Sample #1 =  1.8040     (-0.0150)
Sample #2 =  1.7720     (0.0330)
Sample #3 =  1.7820     (0.0230)
Sample #4 =  1.7820     (0.0470)
Avg % Abs = 1.7787  (0.0343)
STD DEV =  0.0058  (0.0121)
REL STD DEV = 0.325  (35.113)
-------------------

    <<<<< CHANNEL 2 >>>>>
 Sample       % Abs      (% Abs Ref)
Sample #1 =  3.4790     (-0.0190)
Sample #2 =  3.4100     (0.0400)
Sample #3 =  3.4210     (0.0430)
Sample #4 =  3.4280     (0.0550)
Avg % Abs = 3.4197  (0.0460)
STD DEV =  0.0091  (0.0079)
REL STD DEV = 0.265  (17.255)
-------------------

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l  %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12457, 9um Io = 13988
    <<<<< CHANNEL 1 >>>>>
 Sample       % Abs      (% Abs Ref)
Sample #1 =  3.4540     (-0.0030)
Sample #2 =  3.4350     (0.0590)
Sample #3 =  3.4270     (0.0810)
Sample #4 =  3.4720     (0.0650)
Avg % Abs = 3.4447  (0.0683)
STD DEV =  0.0240  (0.0114)
REL STD DEV = 0.697  (16.643)
-------------------
```

```
    <<<<< CHANNEL 2 >>>>>
 Sample       % Abs      (% Abs Ref)
Sample #1 =  6.5960     (0.0130)
Sample #2 =  6.5620     (0.1260)
Sample #3 =  6.5610     (0.1440)
Sample #4 =  6.5870     (0.1420)
Avg % Abs = 6.5700  (0.1373)
STD DEV =  0.0147  (0.0099)
REL STD DEV = 0.224  (7.184)
-------------------

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l  %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12453, 9um Io = 13983
    <<<<< CHANNEL 1 >>>>>
 Sample       % Abs      (% Abs Ref)
Sample #1 =  5.1070     (0.0000)
Sample #2 =  5.0350     (0.1010)
Sample #3 =  5.0280     (0.1030)
Sample #4 =  5.0570     (0.1110)
Avg % Abs = 5.0400  (0.1050)
STD DEV =  0.0151  (0.0053)
REL STD DEV = 0.300  (5.040)
-------------------

    <<<<< CHANNEL 2 >>>>>
 Sample       % Abs      (% Abs Ref)
Sample #1 =  9.6420     (0.0070)
Sample #2 =  9.4950     (0.1780)
Sample #3 =  9.4600     (0.2160)
Sample #4 =  9.4830     (0.1930)
Avg % Abs = 9.4793  (0.1957)
STD DEV =  0.0178  (0.0191)
REL STD DEV = 0.188  (9.782)
-------------------
```

Optical Calibration
SN: 80-005551
Agency: Miami-Dade P.D.
Date: 9/18/2018
Quadratic Fit: +/-0.002g/210L
By:

```
***** AUTO CAL DATA *****
    <<<<< CHANNEL 1 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
 % Abs =    0.033
 Std Dev =   0.03 Rel Std Dev =  76.24
Sol Val = 0.1905 mg/l or 0.040 g/210L
 % Abs =    0.728
 Std Dev =   0.01 Rel Std Dev =   1.95
Sol Val = 0.4762 mg/l or 0.100 g/210L
 % Abs =    1.779
 Std Dev =   0.01 Rel Std Dev =   0.32
Sol Val = 0.9524 mg/l or 0.200 g/210L
 % Abs =    3.445
 Std Dev =   0.02 Rel Std Dev =   0.70
Sol Val = 1.4286 mg/l or 0.300 g/210L
 % Abs =    5.040
 Std Dev =   0.02 Rel Std Dev =   0.30
Zero Order Coef = -73.13
First Order Coef = 2655.33
Second Order Coef =  38.31
Standard Deviation =  15.550103
-------------------
    <<<<< CHANNEL 2 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
 % Abs =    0.088
 Std Dev =   0.02 Rel Std Dev =  20.95
Sol Val = 0.1905 mg/l or 0.040 g/210L
 % Abs =    1.446
 Std Dev =   0.01 Rel Std Dev =   0.66
Sol Val = 0.4762 mg/l or 0.100 g/210L
 % Abs =    3.420
 Std Dev =   0.01 Rel Std Dev =   0.27
Sol Val = 0.9524 mg/l or 0.200 g/210L
 % Abs =    6.570
 Std Dev =   0.01 Rel Std Dev =   0.22
Sol Val = 1.4286 mg/l or 0.300 g/210L
 % Abs =    9.479
 Std Dev =   0.02 Rel Std Dev =   0.19
Zero Order Coef = -108.46
First Order Coef = 1362.83
Second Order Coef =  16.31
Standard Deviation =  18.330027
-------------------
```

Solution Stats Quadratic Fit Chan 1		
Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.000	-0.0003
0.040	0.039	0.0005
0.100	0.100	-0.0002
0.200	0.200	-0.0001
0.300	0.300	0.0001

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	0.0002
0.100	0.100	0.0004
0.200	0.201	-0.0005
0.300	0.300	0.0002

```
Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l  %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 =  3556.00
Sample #2 =  3501.00
Sample #3 =  3484.00
Sample #4 =  3506.00
Average Result = 3497.0000
STD DEV = 11.5326
REL STD DEV = 0.330
**********
***** CHANNEL 2
Sample #1 =  3479.00
Sample #2 =  3495.00
Sample #3 =  3486.00
Sample #4 =  3500.00
Average Result = 3493.6667
STD DEV = 7.0946
REL STD DEV = 0.203
**********
Dry Gas H20 Adjust Results **********
  Barometric Pressure = 1015
  3 um H20 Adjust (mg/l*10,000) = 312
  9 um H20 Adjust (mg/l*10,000) = 316
**** AUTO CAL PASS
```

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Post Stabilities	80-005551	Miami-Dade Police Department	09/18/2018	

0.05g/210L

SN: SD3967 Temp: 34.07c

0.047 to 0.053 ☑

MIAMI DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005551
09/18/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:59
Control Test	0.052	10:59
Air Blank	0.000	11:00
Control Test	0.052	11:01
Air Blank	0.000	11:01
Control Test	0.052	11:02
Air Blank	0.000	11:03

Control Test Stats

Average	0.0520
Std Dev	0.0000
Rel Std Dev(%)	0.0000

Operator's Signature

09/18

0.08g/210L

SN: SD3968 Temp: 34.08c

0.077 to 0.083 ☒

MIAMI DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005551
09/18/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:03
Control Test	0.084	11:04
Air Blank	0.000	11:05
Control Test	0.083	11:05
Air Blank	0.000	11:06
Control Test	0.083	11:07
Air Blank	0.000	11:07

Control Test Stats

Average	0.0833
Std Dev	0.0006
Rel Std Dev(%)	0.6928

Operator's Signature

0.20g/210L

SN: SD3969 Temp:34.08c

0.194 to 0.206 ☒

MIAMI DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005551
09/18/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:08
Control Test	0.208	11:09
Air Blank	0.000	11:10
Control Test	0.206	11:10
Air Blank	0.000	11:11
Control Test	0.206	11:12
Air Blank	0.000	11:12

Control Test Stats

Average	0.2067
Std Dev	0.0012
Rel Std Dev(%)	0.5587

Operator's Signature

DGS 0.08g/210L

Lot AG805701

0.077 to 0.083 ☒

MIAMI DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005551
09/18/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:13
Control Test	0.078	11:14
Air Blank	0.000	11:14
Control Test	0.079	11:15
Air Blank	0.000	11:15
Control Test	0.078	11:15
Air Blank	0.000	11:16

Control Test Stats

Average	0.0783
Std Dev	0.0006
Rel Std Dev(%)	0.7370

Operator's Signature

PGM

MIAMI DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005551
09/18/2018 11:31:54

Auto Calibration
Max Power Res Value = 87
Auto Range Res Value = 45

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12500, 9um Io = 14005

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0730	(-0.0170)
Sample #2 =	0.0900	(0.0380)
Sample #3 =	0.0710	(0.0810)
Sample #4 =	0.0770	(0.1070)

Avg % Abs = 0.0793 (0.0753)
STD DEV = 0.0097 (0.0348)
REL STD DEV = 12.243 (46.257)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0900	(-0.0050)
Sample #2 =	0.1400	(-0.0030)
Sample #3 =	0.1090	(0.0000)
Sample #4 =	0.1460	(-0.0040)

Avg % Abs = 0.1317 (-0.0023)
STD DEV = 0.0199 (0.0021)
REL STD DEV = 15.082 (89.214)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12480, 9um Io = 14000

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7990	(-0.0060)
Sample #2 =	0.7890	(0.0330)
Sample #3 =	0.7410	(0.0680)
Sample #4 =	0.7530	(0.0720)

Avg % Abs = 0.7610 (0.0577)
STD DEV = 0.0250 (0.0215)
REL STD DEV = 3.283 (37.206)

10/1/18

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5110	(0.0000)
Sample #2 =	1.4960	(0.0220)
Sample #3 =	1.4780	(0.0380)
Sample #4 =	1.4830	(0.0310)

Avg % Abs = 1.4857 (0.0303)
STD DEV = 0.0093 (0.0080)
REL STD DEV = 0.625 (26.442)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12469, 9um Io = 13996

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.8410	(-0.0050)
Sample #2 =	1.8450	(0.0390)
Sample #3 =	1.7800	(0.0880)
Sample #4 =	1.7870	(0.0970)

Avg % Abs = 1.8040 (0.0747)
STD DEV = 0.0357 (0.0312)
REL STD DEV = 1.978 (41.805)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5720	(-0.0120)
Sample #2 =	3.5290	(0.0610)
Sample #3 =	3.4780	(0.0910)
Sample #4 =	3.4760	(0.0980)

Avg % Abs = 3.4943 (0.0833)
STD DEV = 0.0300 (0.0197)
REL STD DEV = 0.860 (23.586)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12457, 9um Io = 13988

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5320	(-0.0160)
Sample #2 =	3.5270	(0.0340)
Sample #3 =	3.5010	(0.0630)
Sample #4 =	3.4870	(0.0770)

Avg % Abs = 3.5050 (0.0580)
STD DEV = 0.0203 (0.0219)
REL STD DEV = 0.579 (37.813)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.7020	(0.0030)
Sample #2 =	6.6580	(0.0940)
Sample #3 =	6.6540	(0.1200)
Sample #4 =	6.6340	(0.1280)

Avg % Abs = 6.6487 (0.1140)
STD DEV = 0.0129 (0.0178)
REL STD DEV = 0.193 (15.593)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12453, 9um Io = 13987

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.1970	(-0.0210)
Sample #2 =	5.1440	(0.0750)
Sample #3 =	5.0940	(0.1270)
Sample #4 =	5.0540	(0.1410)

Avg % Abs = 5.0973 (0.1143)
STD DEV = 0.0451 (0.0348)
REL STD DEV = 0.885 (30.416)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	9.7300	(0.0140)
Sample #2 =	9.6350	(0.1780)
Sample #3 =	9.5890	(0.2120)
Sample #4 =	9.5550	(0.2130)

Avg % Abs = 9.5930 (0.2010)
STD DEV = 0.0401 (0.0199)
REL STD DEV = 0.419 (9.913)

Optical Calibration 2
SN: 80-001~~063~~ ~~DCCC~~ 5551
Agency: Miami-Dade P.D.
Date: 9/18/2018
Quadratic Fit: +/-0.002g/210L
By:

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.079
Std Dev = 0.01 Rel Std Dev = 12.24
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.761
Std Dev = 0.02 Rel Std Dev = 3.28
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.804
Std Dev = 0.04 Rel Std Dev = 1.98
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.505
Std Dev = 0.02 Rel Std Dev = 0.58
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.097
Std Dev = 0.05 Rel Std Dev = 0.88
Zero Order Coef = -178.39
First Order Coef = 2664.59
Second Order Coef = 33.25
Standard Deviation = 36.902706

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.132
Std Dev = 0.02 Rel Std Dev = 15.08
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.486
Std Dev = 0.01 Rel Std Dev = 0.63
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.494
Std Dev = 0.03 Rel Std Dev = 0.86
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.649
Std Dev = 0.01 Rel Std Dev = 0.19
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.593
Std Dev = 0.04 Rel Std Dev = 0.42
Zero Order Coef = -163.44
First Order Coef = 1353.97
Second Order Coef = 15.80
Standard Deviation = 15.184551

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.001	-0.0007
0.040	0.039	0.0008
0.100	0.099	0.0005
0.200	0.201	-0.0010
0.300	0.300	0.0004

Solution Stats Quadratic Fit Chan 2

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.000	-0.0003
0.040	0.040	0.0005
0.100	0.100	0.0000
0.200	0.200	-0.0003
0.300	0.300	0.0001

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3362.00
Sample #2 = 3405.00
Sample #3 = 3433.00
Sample #4 = 3428.00
Average Result = 3422.0000
STD DEV = 14.9332
REL STD DEV = 0.436
****
***** CHANNEL 2
Sample #1 = 3402.00
Sample #2 = 3398.00
Sample #3 = 3428.00
Sample #4 = 3437.00
Average Result = 3421.0000
STD DEV = 20.4206
REL STD DEV = 0.597
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1015
3 um H20 Adjust (mg/l*10,000) = 387
9 um H20 Adjust (mg/l*10,000) = 388
**** AUTO CAL PASS

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Post Stabilities 2	80-005551	Miami-Dade Police Department	09/18/2018	DCC

0.05g/210L

SN: SD3967 Temp: 34.07c

0.047 to 0.053 ☑

MIAMI DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005551
09/18/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:17
Control Test	0.049	12:18
Air Blank	0.000	12:19
Control Test	0.050	12:19
Air Blank	0.000	12:20
Control Test	0.050	12:21
Air Blank	0.000	12:21

Control Test Stats

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

DCC
Operator's Signature

10/1/18

0.08g/210L

SN: SD3968 Temp: 34.08c

0.077 to 0.083 ☑

MIAMI DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005551
09/18/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:24
Control Test	0.080	12:25
Air Blank	0.000	12:25
Control Test	0.082	12:26
Air Blank	0.000	12:27
Control Test	0.082	12:27
Air Blank	0.000	12:28

Control Test Stats

Average	0.0813
Std Dev	0.0012
Rel Std Dev(%)	1.4197

DCC
Operator's Signature

0.20g/210L

SN: SD3969 Temp:34.08c

0.194 to 0.206 ☑

MIAMI DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005551
09/18/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:30
Control Test	0.205	12:31
Air Blank	0.000	12:31
Control Test	0.202	12:32
Air Blank	0.000	12:33
Control Test	0.203	12:33
Air Blank	0.000	12:34

Control Test Stats

Average	0.2033
Std Dev	0.0015
Rel Std Dev(%)	0.7512

DCC
Operator's Signature

DGS 0.08g/210L

Lot AG805701

0.077 to 0.083 ☑

MIAMI DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005551
09/18/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:41
Control Test	0.078	12:41
Air Blank	0.000	12:41
Control Test	0.078	12:42
Air Blank	0.000	12:42
Control Test	0.079	12:43
Air Blank	0.000	12:43

Control Test Stats

Average	0.0783
Std Dev	0.0006
Rel Std Dev(%)	0.7370

DCC
Operator's Signature

PGM

FDLE

Florida Department of Law Enforcement

INSTRUMENT PROCESSING SHEET

Agency Miami-Dade Police Department S/N 80-005551

Date In 04/23/2018 DI Completion Date 04/30/2018 ☑Ship ☐P/U ☐H/D ☐CMI ☐EE

Intake Performed By DCR

☑ Annual
☐ Registration
☐ Return from CMI / EE

Visual Inspection:
☑ Case ☑ Handle
☑ Keyboard ☑ Dry Gas Shelf
☑ Feet ☑ Breath Tube
☑ Ports ☑ Screws Tight

Other Equipment/ Accessories:
☐ Power cord ☐ Printer Cable
☐ Static Bag ☐ 12V DC Cable

Notes: _____

Quality Checks Performed By DCR

☑ Breath Tube Screen
☑ Replace External O-Rings
☑ Instrument Set Up Verified
☑ R-Value 143
☑ Flow Verification (L/s)
Flow Column # ATP101
32 mm .152 (.139 - .169)
36 mm .175 (.156 - .190)
53 mm .242 (.228 - .278)
103 mm .503 (.447 - .547)
☑ Barometric Pressure Check
Gauge ID # 28199
☑ Stability Checks

Simulator	Serial #	Lot #/Exp
0.050	SD3967	201707D 07/25/2019
0.080	SD3968	201707E 07/25/2019
0.200	SD3969	201707C 07/24/2019
0.080 DGS	N/A	AG715202 06/01/2019

Flow Calibration Performed By _____

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

Maintenance Performed By _____

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

Temperature Checks Performed By DCR

☑ Lab Temp °C 23.07C
External Digital Therm. ID#: 300949
☑ 34°C +-.2 Serial #: SD3967
☑ 34°C +-.2 Serial #: SD3968
☑ 34°C +-.2 Serial #: SD3969

Final Release Date

FDLE

MAY 02 2018

Alcohol Testing Program

Calibration Adjustment Performed By _____

Barometric Pressure Gauge _____ ID # _____

Simulator	Serial Number	Lot Number	Expiration
0.000		N/A	N/A
0.040			
0.100			
0.200			
0.300			
0.080 DGS	N/A		

☐ Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.050			
0.080			
0.200			
0.080 DGS	N/A		

Department Inspection Performed By DCR

Barometric Pressure ID# 68639
Gauge 1019 Instrument 1019
Mouth Alcohol Solution Lot # 2017-B
Acetone Stock Solution Lot # 2018-A

Simulator	Serial Number
0.000	SD3965
Interferent	SD3966
0.050	SD3967
0.080	SD3968
0.200	SD3969

Attachments

☑ Form 41
☑ Stability Checks
☑ Calibration Certificate
☐ Calibration Adjustment
☐ Post-Stability Checks
☐ Flow Calibration
☐ Form 40
☐ Other _____

Notes/Suggested Service: E-Mailed ✓ APPROVED

☑ **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**

DCR 5/2/18 — Tech Review / Date

[illegible] 5/2/18 — Admin Review / Date

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: MIAMI DADE PD
Serial Number: 80-005551
Time of Inspection: 10:28
Date of Inspection: 04/30/2018
Software: 8100.27

Check or Test	YES	NO	Check or Test	YES	NO
Diagnostic Check (Pre-Inspection): OK	Yes		Date and/or Time Adjusted		No
Minimum Sample Volume Check: OK	Yes		Barometric Pressure Sensor Check: OK	Yes	
Alcohol Free Subject Test: 0.000	Yes		Mouth Alcohol Test: Slope Not Met	Yes	
Interferent Detect Test: Interferent Detect	Yes		Diagnostic Check (Post-Inspection): OK	Yes	

Alcohol Free Test (g/210L)	0.05g/210L Test (g/210L) Lot#:201707D Exp: 07/25/2019	0.08g/210L Test (g/210L) Lot#:201707E Exp: 07/25/2019	0.20g/210L Test (g/210L) Lot#:201707C Exp: 07/24/2019	0.08 g/210L Dry Gas Std Test (g/210L) Lot#:AG715502 Exp: 06/01/2019
0.000	0.052	0.083	0.205	0.078
0.000	0.052	0.084	0.206	0.079
0.000	0.052	0.083	0.206	0.078
0.000	0.052	0.083	0.205	0.078
0.000	0.052	0.084	0.205	0.079
0.000	0.052	0.084	0.205	0.078
0.000	0.052	0.084	0.205	0.079
0.000	0.052	0.084	0.205	0.078
0.000	0.052	0.084	0.205	0.078
0.000	0.053	0.083	0.205	0.078

Standard Deviations	0.0003	0.0005	0.0004	0.0004

Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0004 Number of Simulators Used: 5

Remarks:

The above instrument complies (X) does not comply ( ) with Chapter 11D-8, FAC.

I certify that I performed this inspection in accordance with the provisions of Chapter 11D-8, FAC.

DAVID E REYES-RIVERA
Signature and Printed Name

04/30/2018
Date

5/2/18

FDLE/ATP Form 41 –Revised August 2005

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Stabilities	80-005551	Miami-Dade Police Department	04/30/2018	DERR

0.05g/210L

SN: SD3967 Temp: 34.06C

0.047 to 0.053 ☑

MIAMI DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005551
04/30/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	06:10
Control Test	0.050	06:11
Air Blank	0.000	06:11
Control Test	0.050	06:12
Air Blank	0.000	06:12
Control Test	0.051	06:13
Air Blank	0.000	06:14

Control Test Stats

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

DERR
Operator's Signature

5/2/18

0.08g/210L

SN: SD3968 Temp: 34.02C

0.077 to 0.083 ☑

MIAMI DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005551
04/30/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	06:15
Control Test	0.082	06:15
Air Blank	0.000	06:16
Control Test	0.082	06:17
Air Blank	0.000	06:17
Control Test	0.082	06:18
Air Blank	0.000	06:19

Control Test Stats

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

DERR
Operator's Signature

0.20g/210L

SN: SD3969 Temp: 34.08C

0.194 to 0.206 ☑

MIAMI DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005551
04/30/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	06:20
Control Test	0.202	06:20
Air Blank	0.000	06:21
Control Test	0.201	06:22
Air Blank	0.000	06:22
Control Test	0.202	06:23
Air Blank	0.000	06:24

Control Test Stats

Average	0.2017
Std Dev	0.0006
Rel Std Dev(%)	0.2863

DERR
Operator's Signature

DGS 0.08g/210L

Lot AG715202

0.077 to 0.083 ☑

MIAMI DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005551
04/30/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	06:25
Control Test	0.079	06:25
Air Blank	0.000	06:26
Control Test	0.079	06:26
Air Blank	0.000	06:27
Control Test	0.079	06:27
Air Blank	0.000	06:27

Control Test Stats

Average	0.0790
Std Dev	0.0000
Rel Std Dev(%)	0.0000

DERR
Operator's Signature

PGM

FDLE

Calibration Certificate

Florida Department of Law Enforcement
Alcohol Testing Program
4700 Terminal Drive, Suite 1
Ft. Myers, FL 33907

This is to certify the calibration of Intoxilyzer 8000 serial number 80-005551, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	80-005551		UNCERTAINTY* ±
Owning Agency:	MIAMI DADE PD	0.050 g/ 210 L	0.004
Calibration Date:	04/30/2018	0.080 g/ 210 L	0.005
Calibration Time:	10:28	0.200 g/ 210 L	0.008
		0.080 g/ 210 L Dry Gas Control	0.005

All results are reported in g/ 210 L.
Bias is limited by calibration acceptance criteria. All calibration results must be within ± 0.005 or 5%, whichever is greater, of the target alcohol concentration.
*Uncertainty is based on fleet-wide data and is expressed to a 99% level of confidence (k=3).

TRACEABILITY INFORMATION
This instrument was calibrated using solutions prepared by Alcohol Countermeasure Systems, Inc. (ACS). ACS prepared and certified these CRMs in accordance with ISO 17034 and ISO/ IEC 17025 Standards.

Simulator temperatures are traceable to NIST. Thermometer temperatures are checked with NIST traceable Eutechnics 4400 digital thermometers calibrated by Precision Metrology in accordance with ISO/ IEC 17025 standards.

Dry gas control measurements are traceable to NIST through the uses of CRMs supplied by an accredited CRM supplier. The supplier of dry gas standard controls prepared and certified the CRMs in accordance with ISO Guide 34 and ISO/ IEC 17025 standards.

This document shall not be reproduced except in full, without written approval of the Florida Department of Law Enforcement Alcohol Testing Program.

04/30/2018
Date

DAVID E REYES-RIVERA,
Department Inspector

5/2/18